

OCTOBER 2021

YOUR GUIDE TO CASTROL'S EXTENSIVE ENGINE PROTECTION RANGE





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IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.



UNLOCK EXHILARATING PERFORMANCE

LOSING UP TO 10% OF ENGINE PERFORMANCE IS SIMPLY NOT AN OPTION - FIND OUT HOW CASTROL EDGE WITH FLUID TITANIUM COMBATS THIS.

CASTROL EDGE WITH FLUID TITANIUM TRANSFORMS TO BE STRONGER UNDER PRESSURE AND REDUCES FRICTION TO UNLOCK TRUE ENGINE PERFORMANCE.

TODAY'S ENGINES ARE SMALLER AND MORE EFFICIENT, WITHOUT SACRIFICING PERFORMANCE.

THESE ADVANCES IN ENGINE DESIGN CHALLENGE OIL WITH INCREASED PRESSURE. TO WITHSTAND THIS, OILS NEED TO BE STRONGER THEN EVER BEFORE.

During every engine revolution, intense friction hotspots occur, flashing into existence for a matter of micro-seconds, they continually move around the engine as it delivers power.

Collectively, these friction hotspots can waste up to 10% of engine performance.

To fight performance-robbing friction, Castrol sought to develop its strongest, most advanced engine oil, Castrol EDGE with a unique technology - Fluid TITANIUM.

CASTROL EDGE WITH FLUID TITANIUM TRANSFORMS ITS STRUCTURE UNDER PRESSURE TO KEEP METAL SURFACES APART AND REDUCES PERFORMANCE-ROBBING FRICTION BY 20%* ALLOWING DRIVERS TO UNLOCK TRUE ENGINE PERFORMANCE.

Castrol's reputation for innovation and extraordinary performance has helped Castrol EDGE become the oil of choice for some of the world's leading car manufacturers.

In partnership, Castrol provides ultimate performance to millions of drivers around the world. In fact, many new cars roll off the production line filled with Castrol inside.

Castrol works closely with leading manufacturers including Ford, Jaguar, Land Rover, Renault and Volvo resulting in formulations that are specifically developed for the latest engines and their unique technology requirements.

Castrol also tests its oils with motorsport partners on the track. Nothing tests oil like a motorsport vehicle being pushed to the limits. That's why Castrol's oils have such an exceptional track record in Formula One™, Supercars, FIA World Rally Championship, FIA World Endurance Championship, MotoGP™, and many others. Castrol is proud to be an official partner of the Alpine F1 Team™.

A partnership founded on a mission to win.

Castrol's analysis included tests to prove the lubricant's capacity to help minimise metal-to-metal contact, reduce friction and operate at extreme pressures.

TEST 1: TRANSFORMS UNDER PRESSURE

Compressed under intense pressure, the oil was studied using x-rays emitted from electrons travelling at almost the speed of light.

This showed that **Castrol EDGE with Fluid TITANIUM** physically transforms its structure under pressure to keep metal apart. When the pressure subsides, the oil reverts to its free-flowing state.

TEST 3: REDUCES PERFORMANCE-ROBBING FRICTION

Using an industry-recognised test, friction levels were measured across a range of speeds and engine conditions. **Castrol EDGE with Fluid TITANIUM** was shown to reduce performance-robbing friction by 20%*.

TEST 2: STRONGER UNDER PRESSURE

Using pioneering ultrasound techniques developed by a leading university, the stiffness of oil between contact points on the valvetrain were compared.

Tests showed that **Castrol EDGE with Fluid TITANIUM** was stiffer at the point of contact, when compared to the same oil without Fluid TITANIUM – proving the oil is stronger under pressure.

PERFORMANCE CAN BE EXPERIENCED IN MANY WAYS - NOT LEAST THE PURE JOY OF ACCELERATION, THE SATISFYING RELEASE OF TORQUE, OR THE SIMPLE EXHILARATION OF RAW SPEED.

CASTROL EDGE WITH FLUID TITANIUM TRANSFORMS TO BE STRONGER UNDER PRESSURE TO UNLOCK TRUE ENGINE PERFORMANCE.

* On average, compared to the same oil without Fluid TITANIUM. Products tested represented 50% of 2017 sales volume.

IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.





STRONGER UNDER PRESSURE

EDGE 5W-30 LL

Castrol EDGE 5W-30 LL with Fluid TITANIUM is an advanced full synthetic engine oil suitable for use in a wide range of vehicles including those fitted with Diesel Particulate Filters (DPF).

Giving you the confidence to demand maximum engine performance from today's latest technology, highly engineered engines that operate with tighter tolerances, requiring a high level of protection and low viscosity oils.

Castrol EDGE 5W-30 LL is an advanced full synthetic engine oil approved for use in automotive petrol and diesel vehicles - including diesel vehicles equipped with a diesel particulate filter, where the manufacturer recommends an ACEA C3 specification 5W-30 lubricant.

FEATURES & BENEFITS

- Sustains maximum performance even when under pressure
- Reduces power-robbing friction across engine speeds and conditions
- Independently qualified and improves engine efficiency
- Protects the engine for the entire drain interval even under extreme pressure
- Suitable for use in vehicles fitted with Diesel Particulate Filters (DPF).

SUITABLE FOR USE*:

- Audi
- Chrysler/Jeep
- Hyundai
- Mercedes-Benz
- Mitsubishi
- Nissan
- Porsche
- Skoda
- Subaru
- Volkswagen

SPECIFICATION/TECHNICAL DATA

- ACEA C3
- MB-Approval 229.31/ 229.51
- Porsche C30
- VW 504 00/ 507 00

Pack Size	1L	5L
Item Code	3418597	3413348
Barcode	9310084031021	9310084028571

*When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.





STRONGER UNDER PRESSURE

EDGE 5W-30 A3/B4

Castrol EDGE 5W-30 A3/B4 with Fluid TITANIUM is the natural choice for drivers who demand maximum engine performance from today's modern vehicles requiring a high level of protection and higher performance oils.

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE with patented Fluid TITANIUM transforms its physical structure to be stronger under pressure to keep metal surfaces apart and reduces friction for maximum engine performance when you need it most.

Castrol EDGE 5W-30 A3/B4 is an advanced full synthetic engine oil suitable for use in automotive petrol and diesel vehicles, where the manufacturer recommends an ACEA A3/B4, API SL/CF or earlier specification 5W-30 lubricant.



FEATURES & BENEFITS

- Transforms to be strongest when the pressure is highest, protecting your engine
- Reduces power-robbing friction across engine speeds and conditions
- Independently tested at the highest standards for proven performance
- Recommended by world-leading car manufacturers
- Protects the engine for the entire drain interval even under extreme pressure.

SUITABLE FOR USE*:

- | | |
|---------------------|-----------------|
| • Audi | • Lexus |
| • BMW | • Mazda |
| • Chrysler/Jeep | • Mercedes-Benz |
| • Ford | • Mitsubishi |
| • Holden | • Nissan |
| • Honda | • Skoda |
| • Hyundai | • Subaru |
| • Jaguar/Land Rover | • Toyota |
| • Kia | • Volkswagen |

SPECIFICATION/TECHNICAL DATA

- ACEA A3/B4
- API SL/CF
- BMW Longlife-01
- MB-Approval 229.3/ 229.5
- VW 502 00/ 505 00

Pack Size	1L	5L	10L	20L
Item Code	3421197	3421196	3422637	3421198
Barcode	9310084031311	9310084031328	9310084031670	9310084031342

* When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.



STRONGER UNDER PRESSURE

EDGE 0W-40 A3/B4

Castrol EDGE 0W-40 A3/B4 with Fluid TITANIUM is formulated for prestige and high performance engines in both petrol and diesel passenger*, light commercial vehicles, naturally aspirated or turbocharged.

The exceptional characteristics of Castrol EDGE 0W-40 A3/B4 ensure that all engine components, from the valve train to the bearings are fully lubricated to provide optimum engine performance and protection for today's modern engines requiring lower viscosity higher performance oils.

Castrol EDGE 0W-40 A3/B4 is an advanced full synthetic engine oil that provides outstanding wear protection in performance engines, designed to run at their optimum level on lower viscosity oils, where the manufacturer recommends an ACEA A3/B4, API SN or earlier specification 0W-40 lubricant.

*Excludes diesel passenger vehicles fitted with Diesel Particulate Filters (DPF).

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures
- Recommended by world-leading car manufacturers
- Protects the engine for the entire drain interval even under extreme pressure.

SUITABLE FOR USE*:

- | | |
|-----------------|--------------|
| • Audi | • Nissan |
| • Ford | • Porsche |
| • Holden | • Skoda |
| • Honda | • Subaru |
| • Lexus | • Toyota |
| • Mazda | • Volkswagen |
| • Mercedes-Benz | • Volvo |
| • Mitsubishi | |

SPECIFICATION/TECHNICAL DATA

- ACEA A3/B3, A3/B4
- API SN/CF
- MB-Approval 229.3/ 229.5
- Porsche A40
- VW 502 00/ 505 00
- Ford WSS-M2C937-A

Pack Size	1L	5L
Item Code	3383430	3383431
Barcode	9310084023804	9310084023811

* When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.



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EDGE

STRONGER UNDER PRESSURE

EDGE 5W-40 A3/B4

Castrol EDGE 5W-40 A3/B4 with Fluid TITANIUM is the natural choice for drivers who demand maximum engine performance from today's modern vehicles requiring a high level of protection and higher performance oils.

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE with patented Fluid TITANIUM transforms its physical structure to be stronger under pressure to keep metal surfaces apart and reduces friction for maximum engine performance when you need it most.

Castrol EDGE 5W-40 A3/B4 is an advanced full synthetic engine oil suitable for use in automotive petrol and diesel vehicles where the manufacturer recommends ACEA A3/B3, A3/B4 or API SN/CF or earlier specification 5W-40 lubricant.

FEATURES & BENEFITS

- Transforms to be strongest when the pressure is highest, protecting your engine
- Reduces power-robbing friction across engine speeds and conditions
- Independently tested at the highest standards for proven performance
- Recommended by world-leading car manufacturers
- Protects the engine for the entire drain interval even under extreme pressure.

SUITABLE FOR USE*:

- | | |
|-----------|--------------|
| • BMW | • Mazda |
| • Ford | • Mitsubishi |
| • Holden | • Nissan |
| • Honda | • Renault |
| • Hyundai | • Subaru |
| • Kia | • Toyota |
| • Lexus | |

SPECIFICATION/TECHNICAL DATA

- ACEA A3/B3, A3/B4
- API SN/CF
- BMW Longlife-01
- MB-Approval 226.5/ 229.3/ 229.5
- Porsche A40
- Renault RN0700/ RN0710
- VW 502 00/ 505 00

Pack Size	1L	5L
Item Code	3421234	3421235
Barcode	9310084031366	9310084031373

*When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.





STRONGER UNDER PRESSURE

EDGE 10W-30

Castrol EDGE 10W-30 with Fluid TITANIUM transforms its physical structure to be stronger under pressure to keep metal surfaces apart and reduces friction for maximum engine performance when you need it most.

Advances in engine technology have led to increased power and efficiency, meaning engines work harder and under higher pressures than ever before.

Castrol EDGE 10W-30 is the natural choice for drivers who demand maximum engine performance from today's modern vehicles requiring a high level of protection and higher performance oils.

Castrol EDGE 10W-30 is an advanced full synthetic engine oil suitable for use in automotive petrol and diesel* engines where the manufacturer recommends an ACEA A5/B5, API SN/CF, ILSAC GF-5 or earlier specification 10W-30 lubricant.

*Excludes diesel passenger vehicles fitted with Diesel Particulate Filters (DPF).

FEATURES & BENEFITS

- Delivers and sustains maximum horsepower for longer, even when under pressure
- Reduces engine deposits to help maximise engine response
- Independently tested at the highest standards for proven performance
- Recommended by world-leading car manufacturers
- Helps provide enhanced fuel efficiency.

SUITABLE FOR USE*:

- Ford
- Holden
- Honda
- Hyundai
- Jaguar/Land Rover
- Kia
- Lexus
- Mazda
- Mitsubishi
- Nissan
- Toyota

SPECIFICATION/TECHNICAL DATA

- ACEA A5/B5
- API SN/CF
- ILSAC GF-5

Pack Size	5L
Item Code	3399574
Barcode	9310084026225

*When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.



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STRONGER UNDER PRESSURE

EDGE 10W-60 (SUPERCAR)

Castrol EDGE 10W-60 with Fluid TITANIUM is proven and tested in the ultimate performers, the pinnacle of automotive engineering, and suitable for use in everyday high performance cars.

Giving you the confidence to demand maximum engine performance from supercars, sports cars, competition and the latest technology high-powered engines, which operate under higher pressures requiring an oil with outstanding strength and performance credentials.

Castrol EDGE 10W-60 is an advanced full synthetic engine oil suitable for use in Supercars where the manufacturer recommends an ACEA A3/B4 10W-60 lubricant including - Aston Martin V8 Vantage S, Ferrari F12 Berlinetta, Ferrari FF.

It is also suitable for use where the manufacturer requires a VW 501 01/ 505 00 approved product including - Audi R8 V10 GT, Bugatti Chiron, Bugatti Veyron.

* Excludes diesel passenger vehicles fitted with Diesel Particulate Filters (DPF).

FEATURES & BENEFITS

- Transforms to be strongest when the pressure is highest
- Maximises short and long term engine performance
- Delivers outstanding levels of protection across a variety of driving conditions and temperatures
- Reduces engine deposits to help maximise engine response*
- Proven and tested in world leading Supercars.

* Compared to the limit in the ASTM D 6593 Seq VG test

SUITABLE FOR USE*:

- | | |
|----------------|-----------|
| • Alfa Romeo | • Ford |
| • Aston Martin | • FPV |
| • Audi | • Holden |
| • BMW | • McLaren |
| • Bugatti | • Porsche |
| • Ferrari | |

SPECIFICATION/TECHNICAL DATA

- ACEA A3/B3, A3/B4
- API SN/CF
- Approved for BMW M-Models
- VW 501 01/ 505 00

Pack Size	5L	20L	208L
Item Code	3412396	3412397	3412395
Barcode	9310084028069	9310084028076	9310084028083

*When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.





STRONGER UNDER PRESSURE

EDGE SUPERCAR 5W-50

Castrol EDGE Supercar 5W-50 is an advanced full synthetic engine oil that has been developed with Ford to meet their WSS-M2C931-C oil specification as well as the API SN industry standard. These specs make Castrol EDGE Supercar 5W-50 the perfect choice for high horsepower vehicles, in particular Fords, requiring a SAE 5W-50 engine oil.

Initially developed for the iconic Ford GT, Castrol EDGE Supercar 5W-50 was rigorously tested and refined by both companies to unlock exhilarating performance from day one. As such every Ford GT supercar rolls off the production line first-filled with Castrol EDGE Supercar 5W-50. Castrol EDGE Supercar 5W-50 is also suitable for everyday high-performance vehicles from Ford's stables, such as the MY2020 High Performance 2.3L Mustang.

Castrol EDGE Supercar 5W-50 is tested and proven for increased strength, reduced friction and engine endurance, allowing it to perform in moments of intense pressure. It's unique Fluid TITANIUM transforms to be stronger under pressure and reduces friction – even under the intense pressures of today's supercar engines.

Castrol EDGE Supercar 5W-50 is suitable for use in automotive petrol vehicles where the manufacturer recommends an API SN or earlier specification 5W-50 lubricant.

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits** to help maximise engine response
- Delivers outstanding levels of protection across a wide variety of driving conditions and temperatures
- Delivers very strong low foam performance
- Proven and tested in world leading Supercars.

SUITABLE FOR USE*:

- Ferrari
- Ford
- Lamborghini
- Maserati
- Porsche

SPECIFICATION/TECHNICAL DATA

- API SN
- Meets Ford WSS-M2C931-C

Pack Size	20L
Item Code	3423787
Barcode	9310084031953

*When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.

** Compared to the limit in the ASTM D 6593 Seq VG test





STRONGER UNDER PRESSURE

EDGE 25W-50

Castrol EDGE 25W-50 with Fluid TITANIUM is a race bred oil specially formulated for modified engines, push-rod technology, street machines, big bore competition engines, naturally aspirated, supercharged or turbocharged.

Castrol EDGE 25W-50 has demonstrated superior protection in certain highly loaded valve-train components and delivers optimal cam-wear protection for radical cam profiles.

Castrol EDGE 25W-50 provides outstanding wear protection in big bore street machines and competition engines. It is suitable for use where the manufacturer recommends an API SG/CD or earlier specification 25W-50 lubricant.

Also suitable for use in large in-board power and ski boats, veteran motorcycles and motor cars where high viscosity oils are specified or required.

FEATURES & BENEFITS

- Formulated with Fluid Titanium to deliver extra protection for engines under high loads, over and above traditional anti-wear additives
- Maximises short and long term performance in modified engines including street machine and big bore competition engines
- Superior thermal stability ensures minimal breakdown in formulation
- Reduces engine deposits to help maximise engine response
- Engineered to minimise oil consumption to ensure maximum potential from the oil throughout the service interval.

SUITABLE FOR USE*:

- Chevrolet (pre 1980)
- Dodge (pre 1980)
- Ford (pre 1980)
- Holden (pre 1980)
- Pontiac

SPECIFICATION/TECHNICAL DATA

- API SG/CD

Pack Size	5L
Item Code	3383419
Barcode	9310084023842

*When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.



LIVE ON THE EDGE

*UNLOCK EXHILARATING
PERFORMANCE
WITH LAND ROVER*



CASTROL EDGE WITH FLUID TITANIUM.
STRONGER UNDER PRESSURE.

IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.

www.castrol.com.au/edge

Castrol
EDGE



STRONGER UNDER PRESSURE

EDGE 0W-30 C2

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE with patented Fluid TITANIUM transforms its physical structure to be stronger under pressure to keep metal apart and reduces friction for maximum engine performance when you need it most.

Castrol EDGE with Fluid TITANIUM: unlock the true performance of your engine.

Castrol EDGE 0W-30 C2 is an advanced full synthetic engine oil suitable for use in automotive petrol and diesel engines where the manufacturer recommends an ACEA C2 0W-30 lubricant.

Castrol EDGE 0W-30 C2 is approved for use in vehicles that require Jaguar Land Rover engine oil specification STJLR.03.5007 0W-30 lubricant.

FEATURES & BENEFITS

- Transforms to be strongest when the pressure is highest, protecting your engine
- Reduces power-robbing friction across all engine speeds and conditions
- Independently tested at the highest standards for proven performance
- Recommended by world-leading car manufacturers
- Protects the engine for the entire drain interval even under extreme pressure
- Delivers high levels of fuel efficiency and low temperature performance.

SUITABLE FOR USE*:

- Alfa Romeo
- Ford
- Honda
- Jaguar
- Land Rover
- Subaru
- Toyota

SPECIFICATION/TECHNICAL DATA

- ACEA C2
- Jaguar Land Rover engine oil specification STJLR.03.5007

Pack Size	1L	5L
Item Code	3424432	3420665
Barcode	9310084032028	9310084031274

* When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.





STRONGER UNDER PRESSURE

EDGE 5W-30 M

(REPLACES EDGE PROFESSIONAL LL04 5W-30)

AVAILABLE Q1 2022

Castrol EDGE 5W-30 M is the natural choice for drivers who demand maximum engine performance from today's modern vehicles requiring a high level of protection and higher performance oils. Advances in engine technology have led to increased power and efficiency, meaning engines work harder and under higher pressures than ever before. This means the oil has to be stronger to reduce friction and protect the engine. Castrol EDGE is our most advanced engine oil range. It provides the strength to help maximise your vehicles performance.

Castrol EDGE 5W-30 M is a FULL SYNTHETIC engine oil suitable for use in automotive petrol and diesel vehicles where the manufacturer recommends an ACEA C3, API SN PLUS 5W-30 lubricant.

Castrol EDGE 5W-30 M is recommended and approved for use in vehicles that require a BMW Longlife-04 specification lubricant.



FEATURES & BENEFITS

- Independently tested at the highest standards
- Recommended by world-leading car manufacturers
- Protects the engine for the entire drain interval even under extreme pressure
- Proven performance across a variety of driving conditions and temperatures.

SUITABLE FOR USE*:

- BMW
- Chrysler
- Citroën
- Hyundai
- Jaguar
- Jeep
- Kia
- Mazda
- Mercedes-Benz
- Mitsubishi
- Nissan
- Peugeot
- Subaru
- Suzuki
- Volvo

SPECIFICATION/TECHNICAL DATA

- ACEA C3
- API SN PLUS
- BMW Longlife-04
- MB-Approval 229.31/ 229.51/ 229.52

Pack Size	20L	205L
Item Code	3431108	3431107
Barcode	9310084034589	9310084034596

*When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.





STRONGER UNDER PRESSURE

EDGE 0W-20 C5

Castrol EDGE with Fluid Titanium: unlock the true performance of your engine. Castrol EDGE 0W-20 C5 is an advanced full synthetic engine oil suitable for use in automotive petrol and diesel engines where the manufacturer recommends an ACEA C5 0W-20 lubricant.

FEATURES & BENEFITS

- Transforms to be strongest when the pressure is highest, protecting your engine
- Reduces power-robbing friction across all engine speeds and conditions
- Independently tested at the highest standards for proven performance
- Recommended by world-leading car manufacturers
- Protects the engine for the entire drain interval even under extreme pressure
- Delivers high levels of fuel efficiency and low temperature performance.

SUITABLE FOR USE*:

- Chrysler
- Honda
- Hyundai
- Jaguar
- Jeep
- Kia
- Land Rover
- Lexus
- Mazda
- Mercedes-Benz
- Mitsubishi
- Subaru
- Suzuki
- Toyota

SPECIFICATION/TECHNICAL DATA

- ACEA C5
- API SP
- ILSAC GF-6
- Jaguar Land Rover STJLR.03.5006
- Meets Chrysler MS 6395
- GM dexos1™ Gen 2
- MB-Approval 229.71
- Meets Fiat 9.55535-CR1
- Meets Fiat 9.55535-GSX
- Meets Ford WSS-M2C947-A
- Meets Ford WSS-M2C947-B1
- Meets Ford WSS-M2C962-A1

Pack Size	1L	5L	20L	208L
Item Code	3425632	3425633	3425218	3425217
Barcode	9310084032677	9310084032684	9310084032462	9310084032455

*When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.





STRONGER UNDER PRESSURE

EDGE 5W-40 M

Castrol EDGE 5W-40 M is the natural choice for drivers who demand maximum engine performance from today's modern vehicles requiring a high level of protection and higher performance oils. Advances in engine technology have led to increased power and efficiency, meaning engines work harder and under higher pressures than ever before. This means the oil has to be stronger to reduce friction and protect the engine.

Castrol EDGE is our most advanced engine oil range. It provides the strength to help maximise your vehicles performance.

Castrol EDGE 5W-40 M is suitable for use in automotive petrol and diesel vehicles where the manufacturer recommends an ACEA C3, API SN or earlier specification 5W-40 lubricant, including those fitted with Diesel Particulate Filters (DPF).

FEATURES & BENEFITS

- Independently tested at the highest standards
- Recommended by world-leading car manufacturers
- Protects the engine for the entire drain interval even under extreme pressure
- Proven performance across a variety of driving conditions and temperatures.

SUITABLE FOR USE*:

- Alfa Romeo
- Audi
- BMW
- Chrysler
- Ford
- Holden
- Honda
- Hyundai
- Jeep
- Kia
- Lexus
- Mazda
- Mitsubishi
- Nissan
- Peugeot
- Subaru
- Suzuki
- Toyota
- Suzuki
- Toyota

SPECIFICATION/TECHNICAL DATA

- ACEA C3
- API SN
- BMW Longlife-04
- Meets Fiat 9.55535-S2
- Porsche C40
- VW 511 00

Pack Size	20L
Item Code	3426982
Barcode	9310084032837

*When choosing oil, please refer to your owner's handbook and the product specifications required may also be suitable for other vehicles.





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL A1 5W-20

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Delivers complete protection across a variety of engine speeds, conditions and temperatures
- Sustains maximum performance even when under pressure
- Independently proven to improve engine efficiency
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA A1/B1
- API SL
- ILSAC GF-3
- Meets Jaguar Land Rover STJLR.03.5004

Pack Size	20L	205L
Item Code	3374699	3374700
Barcode	9 310084018947	9 310084018824





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL A3 0W-40

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Improves engine efficiency, independently qualified
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures
- Reduces engine deposits to help maximise engine response.

SPECIFICATION/TECHNICAL DATA

- ACEA A3/B3, A3/B4
- API SN/CF
- MB-Approval 229.3/ 229.5
- Porsche A40
- Meets - Ford WSS-M2C937-A
- VW 502 00 / 505 00

Pack Size	20L	205L
Item Code	3373872	3394492
Barcode	9310084018923	9310084025532





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL A3 5W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures
- Maximises short and long term engine performance
- Improves engine efficiency, independently qualified
- Reduces engine deposits to help maximise engine response.

SPECIFICATION/TECHNICAL DATA

- ACEA A3/B4
- API SL/CF

Pack Size	20L	205L
Item Code	3375020	3375021
Barcode	9 310084018985	9 310084020834





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL A5 0W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Delivers complete protection across a variety of engine speeds, conditions and temperatures
- Sustains maximum performance even when under pressure
- Independently proven to improve engine efficiency
- Excellent performance at low temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA A1/B1, A5/B5
- API SL/CF

Pack Size	20L	208L
Item Code	3386606	3415827
Barcode	9 310084024665	9310084030994





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL A5 5W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Delivers complete protection across a variety of engine speeds, conditions and temperatures
- Sustains maximum performance even when under pressure
- Independently proven to improve engine efficiency.

SPECIFICATION/TECHNICAL DATA

- ACEA A1/B1, A5/B5
- API SN/CF
- ILSAC GF-4
- Meets Ford WSS-M2C913-C
- Meets Jaguar Land Rover STJLR.03.5003

Pack Size	20L	205L
Item Code	3377780	3377781
Barcode	9 310084020865	9 310084024672





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL C1 5W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Sustains maximum performance even when under pressure
- Independently proven to improve engine efficiency
- Delivers outstanding levels of protection across a variety of driving conditions and temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA C1
- Meets Jaguar Land Rover STJLR.03.5005

Pack Size	20L	208L
Item Code	3375617	3409681
Barcode	9310084019074	9 310084028144





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL C3 0W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Sustains maximum performance even when under pressure
- Independently proven to improve engine efficiency
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures
- Excellent performance at low temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA C3
- API SN
- MB-Approval 229.31/ 229.51
- Renault RN0700 / RN0710
- VW 502 00/ 505 00

Pack Size	20L
Item Code	3381903
Barcode	9 310084023286





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL C4 5W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures.

Castrol EDGE PROFESSIONAL is Castrol's strongest and most advanced range of engine oils with its unique adaptive strength reduces metal to metal contact across a range of different driving speeds.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Delivers complete protection across a variety of engine speeds, conditions and temperatures
- Sustains maximum performance even when under pressure
- Independently proven to improve engine efficiency
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA C4
- Renault RN0720

Pack Size	20L	208L
Item Code	3379809	3413629
Barcode	9 310084023262	9 310084028809





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL EC 0W-20

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

As the first fill in all Ingenium Jaguar Land Rover petrol engines, Castrol EDGE PROFESSIONAL EC 0W-20 offers greater fuel economy* and Castrol EDGE PROFESSIONAL remains the only product exclusively recommended by Jaguar Land Rover.

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Delivers complete protection across a variety of engine speeds, conditions and temperatures
- Sustains maximum performance even when under pressure
- Suitable for diesel engines fitted with DPF that allow fuel efficient oils
- Provides enhanced fuel efficiency.

SPECIFICATION/TECHNICAL DATA

- ACEA C5
- Jaguar Land Rover engine oil specification STJLR.03.5006, STJLR.51.5122

Pack Size	20L	208L
Item Code	3427866	3427865
Barcode	9310084033124	9310084033131





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL E 0W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Delivers complete protection across a variety of engine speeds, conditions and temperatures
- Sustains maximum performance even when under pressure
- Suitable for diesel engines fitted with DPF that allow fuel efficient oils
- Provides enhanced fuel efficiency.

SPECIFICATION/TECHNICAL DATA

- ACEA C2
- Meets Jaguar Land Rover STJLR.03.5007

Pack Size	20L	208L
Item Code	3423559	3423558
Barcode	9310084031847	9310084031854





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL FUEL SAVER 0W-20

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Delivers complete protection across a variety of engine speeds, conditions and temperatures
- Sustains maximum performance even when under pressure
- Independently proven to improve engine efficiency
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures
- Delivers a high level of fuel efficiency
- Provides excellent performance at low temperatures.

SPECIFICATION/TECHNICAL DATA

- API SN
- ILSAC GF-5

Pack Size	20L	205L
Item Code	3381078	3381079
Barcode	9 310084023071	9 310084023088





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL LL01 5W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL with Fluid TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Sustains maximum performance even when under pressure
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA A3/B3, A3/B4
- API SL/CF
- BMW Longlife-01

Pack Size	20L	205L
Item Code	3389986	3394224
Barcode	9 310084024658	9 310084025327





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL LL04 5W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures.

Castrol EDGE PROFESSIONAL is Castrol's strongest and most advanced range of engine oils with its unique adaptive strength reduces metal to metal contact across a range of different driving speeds.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Delivers complete protection across a variety of engine speeds, conditions and temperatures
- Sustains maximum performance even when under pressure
- Independently proven to Improve engine efficiency
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA C3
- API SN/CF
- BMW Longlife-04

Pack Size	20L	205L
Item Code	3389930	3389931
Barcode	9 310084024634	9 310084024627





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL LONGLIFE III 0W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures.

Castrol EDGE PROFESSIONAL is Castrol's strongest and most advanced range of engine oils with its unique adaptive strength reduces metal to metal contact across a range of different driving speeds.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures
- Maximises short and long term engine performance
- Improves engine efficiency, independently qualified
- Is developed for Longlife service.

SPECIFICATION/TECHNICAL DATA

- Porsche C30
- VW 504 00/ 507 00

Pack Size	20L	208L
Item Code	3424972	3424971
Barcode	9310084032318	9310084032325





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL LONGLIFE III 5W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures.

Castrol EDGE PROFESSIONAL is Castrol's strongest and most advanced range of engine oils with its unique adaptive strength reduces metal to metal contact across a range of different driving speeds.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures
- Maximises short and long term engine performance
- Improves engine efficiency, independently qualified
- Is developed for Longlife service.

SPECIFICATION/TECHNICAL DATA

- ACEA C3
- Porsche C30
- VW 504 00/ 507 00

Pack Size	20L	205L
Item Code	3374587	3410275
Barcode	9 310084018916	9 310084026652





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL LONGLIFE IV FE 0W-20

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures.

Castrol EDGE PROFESSIONAL is Castrol's strongest and most advanced range of engine oils with its unique adaptive strength reduces metal to metal contact across a range of different driving speeds.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures
- Maximises short and long term engine performance
- Improves engine efficiency, independently qualified
- Is developed for Longlife service.

SPECIFICATION/TECHNICAL DATA

- ACEA C5
- Porsche C20
- VW 508 00/ 509 00

Pack Size	20L	208L
Item Code	3414301	3425507
Barcode	9310084029783	9310084032578





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL OE-X 5W-30

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures.

Castrol EDGE PROFESSIONAL is Castrol's strongest and most advanced range of engine oils with its unique adaptive strength reduces metal to metal contact across a range of different driving speeds.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Reduces engine deposits to help maximise engine response
- Delivers complete protection across a variety of engine speeds, conditions and temperatures
- Sustains maximum performance even when under pressure
- Independently proven to improve engine efficiency
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures
- Delivers and sustains maximum horsepower for longer, even when under pressure
- Suitable for use in diesel engines that are equipped with a DPF.

SPECIFICATION/TECHNICAL DATA

- ACEA C3
- API SN/CF
- GM dexos2®

Pack Size	20L	205L
Item Code	3374978	3374979
Barcode	9 310084018954	9 310084018961





STRONGER UNDER PRESSURE

EDGE PROFESSIONAL V OW-20

Today's engines continually push the boundaries of technology and engineering. They are smaller and ultra-efficient, without sacrificing performance. Advanced engines challenge the oil with increased pressures. These intense pressures cause friction, which can waste up to 10% of an engine's performance.

Castrol EDGE PROFESSIONAL - with its patented Fluid TITANIUM - transforms to be stronger under pressure and reduces friction for maximum engine performance when you need it most.

Castrol EDGE PROFESSIONAL is certified CO₂ Neutral according to the highest global standard*.

Castrol EDGE PROFESSIONAL WITH FLUID TITANIUM: unlock the true performance of your engine.

*In accordance with the BSI PAS 2060 specification

FEATURES & BENEFITS

- Maximises short and long term engine performance
- Improves engine efficiency, independently qualified
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures
- Reduces engine deposits to help maximise engine response.

SPECIFICATION/TECHNICAL DATA

- ACEA C5
- Volvo VCC RBS0-2AE

Pack Size	20L	208L
Item Code	3383785	3397983
Barcode	9310084024191	9310084025778





IT'S NEVER TOO LATE TO CHANGE AND HERE'S THE PROOF

Unlike some other oils, Castrol MAGNATEC's intelligent molecules cling to your engine like a magnet, providing an extra layer of protection when you need it the most... during warm up. They bond to metal surfaces so they don't just rely on the engine warming up for the oil to start protecting. They're already clinging to the parts that need protection, dramatically reducing* engine wear.

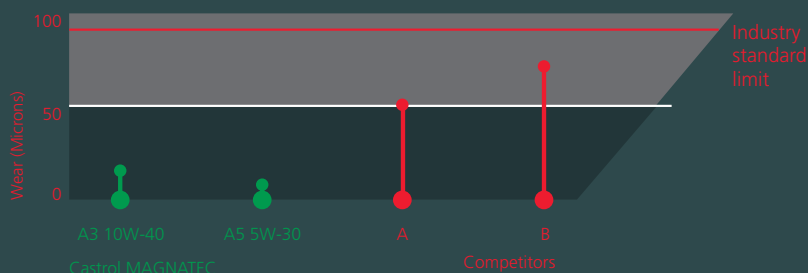
* As tested in the industry Sequence IVA wear test

CASTROL MAGNATEC DRAMATICALLY REDUCES ENGINE WEAR

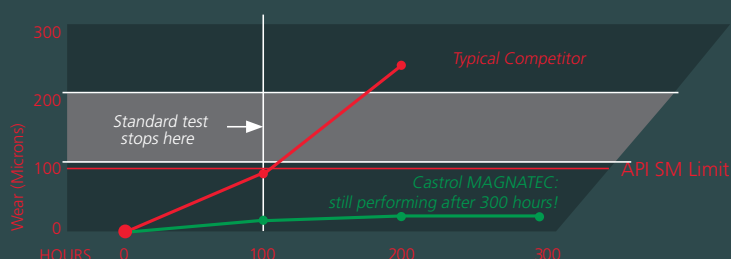
Even if you haven't been using Castrol MAGNATEC, it's worth making the change.

Castrol MAGNATEC's intelligent molecules start working for you the moment you change your oil. They cling and bond to engine surfaces, dramatically reducing any further wear to already worn engine parts.

GOING BEYOND INDUSTRY STANDARDS



At Castrol we test our products above and beyond the industry standards. This graph shows the improved performance of Castrol MAGNATEC in the industry standard test to evaluate lubricant wear performance at low speeds and temperatures.



This graph, from Castrol's rigorous extended wear test, shows that even if run for three times longer, Castrol MAGNATEC continues to outperform the industry standard.





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC 5W-30 A5

Castrol MAGNATEC 5W-30 A5 is a technically advanced fuel efficient engine oil, its unique formulation protects from the moment you start, dramatically reducing* engine wear. Now with ultra-refined molecules, for protection you can see, hear and feel.

FEATURES & BENEFITS

FULL SYNTHETIC Castrol MAGNATEC 5W-30 A5 contains intelligent molecules that:

- Dramatically reduce engine wear during warm-up
- Provide continuous protection for all driving conditions, styles and temperatures
- Castrol MAGNATEC 5W-30 A5's formulation has been specially engineered to reduce your car's fuel consumption.

SPECIFICATION/TECHNICAL DATA

- API SN/CF
- ACEA A5/B5, A1/B1
- ILSAC GF-4
- Meets Ford WSS-M2C913-C/D

Pack Size	20L
Item Code	3383405
Barcode	9310084023866



MAGNATEC 5W-40

Up to 75% of engine wear happens while your engine warms up. When the engine stops oils drain off critical engine parts, however Castrol MAGNATEC's intelligent molecules don't. They cling to the engine like a magnet providing an extra layer of protection.

Castrol MAGNATEC's unique formulation protects from the moment you start, dramatically reducing* engine wear. Now with ultra-refined molecules, for protection you can see, hear and feel.

FEATURES & BENEFITS

FULL SYNTHETIC Castrol MAGNATEC 5W-40 contains intelligent molecules that:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects during start up and beyond
- Bond to metal surfaces to make engine parts more resistant to wear
- Are combined with synthetic technology to provide increased protection in high and low temperature applications
- Provide continuous protection for all driving conditions, styles and temperatures.

SPECIFICATION/TECHNICAL DATA

- API SN/CF
- ACEA A3/B3, A3/B4

Pack Size	5L	5L (From Nov '21)
Item Code	3414391	3428779
Barcode	9310084029820	9310084033360



* As tested in the industry Sequence IVA wear test





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC 10W-40

Up to 75% of engine wear happens while your engine warms up. When the engine stops oils drain off critical engine parts, however Castrol MAGNATEC's intelligent molecules don't. They cling to the engine like a magnet providing an extra layer of protection.

Castrol MAGNATEC's unique formulation protects from the moment you start, dramatically reducing* engine wear. Now with ultra-refined molecules, for protection you can see, hear and feel.

FEATURES & BENEFITS

PART SYNTHETIC Castrol MAGNATEC 10W-40 contains intelligent molecules that:

- Are combined with synthetic technology to provide increased protection in high and low temperature applications
- Provide continuous protection for all driving conditions, styles and temperatures.

SPECIFICATION/TECHNICAL DATA

- API SN/CF
- ACEA A3/B3, A3/B4

Pack Size	1L	5L	6L	6L (From Nov '21)	10L
Item Code	3383432	3383434	3414526	3428780	3423244
Barcode	9310084023576	9310084023583	9310084029868	9310084033377	9310084031748



* As tested in the industry Sequence IVA wear test



INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC 5W-20

(REPLACES MAGNATEC PROFESSIONAL E 5W-20)

Up to 75% of engine wear happens while your engine warms up. When the engine stops oils drain off critical engine parts, however Castrol MAGNATEC's intelligent molecules don't. They cling to the engine like a magnet providing an extra layer of protection. Castrol MAGNATEC's unique formulation protects from the moment you start, dramatically reducing* engine wear. Now with ultra-refined molecules, for protection you can see, hear and feel.

FEATURES & BENEFITS

PART SYNTHETIC Castrol MAGNATEC 5W-20 contains intelligent molecules that:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects during start up and beyond
- Bond to metal surfaces to make engine parts more resistant to wear
- Are combined with synthetic technology to provide increased protection in high and low temperature application
- Provide continuous protection for all driving conditions, styles and temperatures
- Deliver superior performance under extreme cold start up conditions relative to thicker grades.

SPECIFICATION/TECHNICAL DATA

- API SP
- ILSAC GF-6
- Meets Ford WSS-M2C960-A1

Pack Size	20L	205L
Item Code	3429066	3429065
Barcode	9310084033452	9310084033469

When choosing oil, please refer to your owners handbook and the product specifications required may also be suitable for other vehicles.



* As tested in the industry Sequence IVA wear test





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC 5W-30

(REPLACES MAGNATEC PROFESSIONAL 5W-30)

Up to 75% of engine wear happens while your engine warms up. When the engine stops oils drain off critical engine parts, however Castrol MAGNATEC's intelligent molecules don't. They cling to the engine like a magnet providing an extra layer of protection. Castrol MAGNATEC's unique formulation protects from the moment you start, dramatically reducing* engine wear. Now with ultra-refined molecules, for protection you can see, hear and feel.

Castrol MAGNATEC 5W-30 is suitable for use in automotive petrol engines where the manufacturer recommends an API SP, ILSAC GF-6 5W-30 lubricant.

FEATURES & BENEFITS

PART SYNTHETIC Castrol MAGNATEC 5W-30 contains intelligent molecules that:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects during start up and beyond
- Bond to metal surfaces to make engine parts more resistant to wear
- Are combined with synthetic technology to provide increased protection in high and low temperature application
- Provide continuous protection for all driving conditions, styles and temperatures
- Deliver superior performance under extreme cold start up conditions relative to thicker grades.

SPECIFICATION/TECHNICAL DATA

- API SP
- ILSAC GF-6

Pack Size	20L	205L
Item Code	3428870	3428871
Barcode	9310084033414	9310084033421

When choosing oil, please refer to your owners handbook and the product specifications required may also be suitable for other vehicles.



* As tested in the industry Sequence IVA wear test



INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC HYBRID 0W-16

Other oils have to reach a minimum temperature before they provide full engine protection performance. The engines in Hybrid and Stop Start Technology vehicles can run up to 40 degrees cooler* than the engines in conventional cars because the repeated engine shut downs restrict the rise in engine temperature. Castrol MAGNATEC's intelligent molecules cling to the engine like a magnet providing an extra layer of protection. In addition, fully-synthetic base oil is used to improve oil flow at low temperatures. Therefore, Castrol MAGNATEC Hybrid's formulation dramatically reduces** engine wear for protection even while driving when the oil temperature is low. Now with ultra-refined molecules, for instant protection from the moment you start.

FEATURES & BENEFITS

Castrol MAGNATEC Hybrid 0W-16 contains intelligent molecules which:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects during start up and beyond
- Bond to metal surfaces to make engine parts more resistant to wear
- Are combined with synthetic technology to provide increased protection in high and low temperature applications
- Provide continuous protection for all driving conditions, styles and temperatures
- Deliver superior performance under stop-start mode operation.

SPECIFICATION/TECHNICAL DATA

- API SP
- ILSAC GF-6B

Pack Size	20L	205L
Item Code	3428869	3428868
Barcode	9310084033391	9310084033407

When choosing oil, please refer to your owners handbook and the product specifications required may also be suitable for other vehicles.



* Proven by internal tests.

** As tested in the industry Sequence IVA test



FULL SYNTHETIC



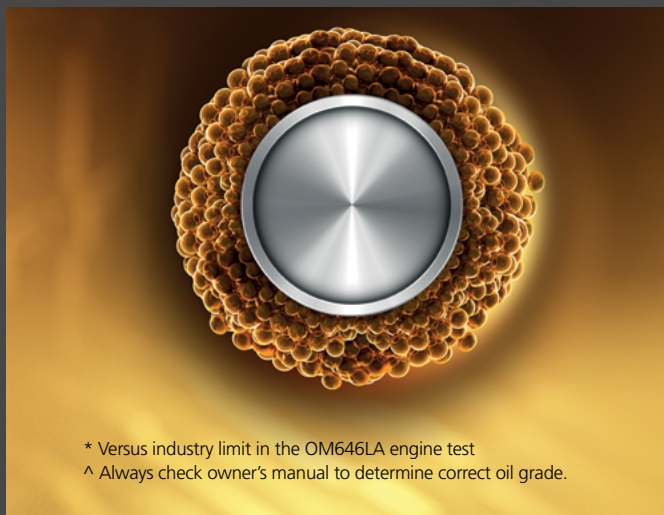
MAGNATEC[®] STOP-START

PROTECT YOUR ENGINE WITH CASTROL MAGNATEC STOP-START

Because of increasingly busy traffic, drivers today are experiencing more and more stop-start driving. Even a normal driver can stop and start as many as 18,000 times a year.

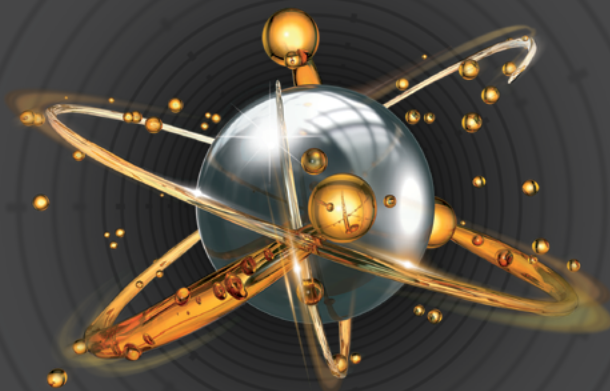


Castrol MAGNATEC STOP-START contains special molecules that form a self-healing layer that constantly protects against stop-start wear, providing up to 20% better stop-start wear protection*. So even if some molecules are knocked off in the process of protecting your engine, others rush in to restore the protective layer.



* Versus industry limit in the OM646LA engine test
^ Always check owner's manual to determine correct oil grade.

INSTANT PROTECTION FROM THE MOMENT YOU START. EVERY TIME YOU START.



MAGNATEC STOP-START 0W-20

0W-20

For use where a 0W-20 viscosity oil is required, including TOYOTA, SUBARU, JEEP, MAZDA and NISSAN vehicles*

MAGNATEC STOP-START 5W-30

5W-30

For use in a wide range of petrol and diesel vehicles including FORD, HOLDEN, HONDA, KIA MAZDA, MITSUBISHI, NISSAN, SUBARU and TOYOTA*

MAGNATEC STOP-START 5W-30 A5

5W-30 A5

For use in a wide range of vehicles including FORD's requiring the latest fuel efficient specification such as Ranger, Focus & Mustang*

When choosing oil, please refer to your owner's handbook. The product specifications required may also be suitable for other vehicles.





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC STOP-START 0W-20

Today even a normal driver can stop and start as many as 18,000 times a year. All that idling in traffic causes microscopic wear in your engine. In the latest industry test, Castrol MAGNATEC STOP-START 5W-30 gives significantly less wear in stop-start operation*.

Castrol MAGNATEC STOP-START 0W-20. Instant Protection From The Moment You Start. Every Time You Start.

FEATURES & BENEFITS

FULL SYNTHETIC Castrol MAGNATEC STOP-START 0W-20 contains intelligent molecules that:

- Cling to engine parts when the oil drains down
- Form a self-healing layer to protect at each of the critical stages of stop-start driving and beyond
- Are proven to reduce wear in stop-start operation.

SPECIFICATION/TECHNICAL DATA

- API SN
- ILSAC GF-5

Pack Size	5L
Item Code	3414099
Barcode	9310084029691



MAGNATEC STOP-START 5W-30

Today even a normal driver can stop and start as many as 18,000 times a year. All that idling in traffic causes microscopic wear in your engine. In the latest industry test, Castrol MAGNATEC STOP-START 5W-30 gives significantly less wear in stop-start operation*.

Castrol MAGNATEC STOP-START 5W-30. Instant Protection From The Moment You Start. Every Time You Start.

FEATURES & BENEFITS

FULL SYNTHETIC Castrol MAGNATEC STOP-START 5W-30 contains intelligent molecules that:

- Cling to engine parts when the oil drains down
- Form a self-healing layer to protect at each of the critical stages of stop-start driving and beyond
- Are proven to reduce wear in stop-start operation.

SPECIFICATION/TECHNICAL DATA

- API SN
- ACEA A3/B3, A3/B4

Pack Size	5L	10L	20L	205L
Item Code	3396960	3423350	3396957	3396958
Barcode	9310084025464	9310084031793	9310084025471	9310084025488



* As tested in the industry OM646LA test



INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC STOP-START 5W-30 A5

Today even a normal driver can stop and start as many as 18,000 times a year. All that idling in traffic causes microscopic wear in your engine. In the latest industry test, Castrol MAGNATEC STOP-START 5W-30 gives significantly less wear in stop-start operation*.

Castrol MAGNATEC STOP-START 5W-30 A5. Instant Protection From The Moment You Start. Every Time You Start.

FEATURES & BENEFITS

FULL SYNTHETIC Castrol MAGNATEC STOP-START 5W-30 A5 contains intelligent molecules that:

- Cling to engine parts when the oil drains down
- Form a self-healing layer to protect at each of the critical stages of stop-start driving and beyond
- Are proven to reduce wear in stop-start operation.

SPECIFICATION/TECHNICAL DATA

- API SN/CF
- ACEA A1/B1, A5/B5
- ILSAC GF-4
- Meets Ford WSS-M2C913-A/ WSS-M2C913-B/ WSS-M2C913-C/ WSS-M2C913-D

Pack Size	1L	1L (From Dec '21)	6L	6L (From Dec '21)	10L
Item Code	3418436	3429085	3414419	3429084	3423384
Barcode	9310084030871	9310084033476	9310084029837	9310084033483	9310084031786



MAGNATEC STOP-START 10W-30

Today even a normal driver can stop and start as many as 18,000 times a year. And all that idling in traffic or waiting at junctions causes microscopic wear in your engine. In the latest industry test, Castrol MAGNATEC STOP-START 10W-30 gives significantly less wear in stop-start operation*.

Castrol MAGNATEC STOP-START 10W-30. Instant Protection From The Moment You Start. Every Time You Start.

FEATURES & BENEFITS

PART SYNTHETIC Castrol MAGNATEC STOP-START 10W-30 contains intelligent molecules that:

- Cling to engine parts when the oil drains down
- Form a self-healing layer to protect at each of the critical stages of stop-start driving and beyond
- Are proven to reduce wear in stop-start operation
- Suitable for petrol or diesel cars, SUV or LCV without DPF technology.

SPECIFICATION/TECHNICAL DATA

- API SN
- ACEA A3/B4

Pack Size	1L	5L
Item Code	3415967	3383268
Barcode	9310084030307	9310084023460

*As tested in the industry OM646LA test





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC STOP-START 0W-30 D (REPLACES MAGNATEC PROFESSIONAL D 0W-30)

Today even a normal driver can stop and start as many as 18,000 times a year. All that idling in traffic causes microscopic wear in your engine. In the latest industry test, Castrol MAGNATEC STOP-START 0W-30 D gives significantly less wear in stop-start operation*.

Castrol MAGNATEC STOP-START 0W-30 D. Instant Protection From The Moment You Start. Every Time You Start.

FEATURES & BENEFITS

FULL SYNTHETIC Castrol MAGNATEC STOP-START 0W-30 D contains intelligent molecules that:

- Cling to engine parts when the oil drains down
- Form a self-healing layer to protect at each of the critical stages of stop-start driving and beyond
- Are proven to reduce wear in stop-start operation.

SPECIFICATION/TECHNICAL DATA

- ACEA C2
- Ford WSS-M2C950-A

Pack Size	20L	208L
Item Code	3427897	3427896
Barcode	9310084033148	9310084033155

* As tested in the industry OM646LA test



MAGNATEC SUV 5W-30 C3

Unlike many cars, your SUV does everything - from short trips dropping the children off in town, to long distance journeys carrying heavy luggage, even towing a trailer when needed - all of this across a variety of terrain. These different tasks all place different demands on the engine:

- Short trips - no chance to warm-up fully
- Urban driving - stop-start wear
- Towing and heavy loads - high load, high temperatures

That's why we developed Castrol MAGNATEC SUV, the oil that does everything too!

Castrol MAGNATEC SUV - non-stop SUV protection from every start.

FEATURES & BENEFITS

Castrol MAGNATEC SUV 5W-30 C3 has intelligent molecules that:

- Cling to the engine like a magnet providing an extra layer of protection
- Deliver dramatically better protection from warm-up¹
- Up to 25% better stop-start² wear protection
- Up to 25% better heavy load wear³ protection.

1. Tested vs the Sequence IVA API SN wear limit.

2. Tested vs the CEC OM646LA wear limits.

3. Tested vs the Sequence IIIG API SN wear limit.

SPECIFICATION/TECHNICAL DATA

- ACEA C3
- API SN/CF
- GM dexos2®

Pack Size	1L	7L	10L
Item Code	3420557	3420388	3423385
Barcode	9310084031212	9310084031120	9310084031779





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC FUEL SAVER DX 5W-30

Castrol MAGNATEC FUEL SAVER 5W-30 full synthetic engine oil lets you drive up to 380km p.a further!*. It has been specially engineered to reduce your car's fuel consumption, so you save on fuel, whilst getting outstanding protection from Castrol MAGNATEC's Intelligent Molecules.

FEATURES & BENEFITS

Castrol MAGNATEC's Intelligent Molecules also:

- Are combined with synthetic technology to provide increased protection in high and low temperature applications
- Provide continuous protection for all driving conditions, styles and temperatures
- Provide enhanced fuel economy.

Castrol MAGNATEC FUEL SAVER DX 5W-30 delivers superior performance under extreme cold start up conditions relative to thicker grades.

SPECIFICATION/TECHNICAL DATA

- API SP
- ILSAC GF-6
- GM dexos1™ Gen 2
- Meets Ford WSS-M2C946-B1
- Meets Ford WSS-M2C961-A1

Pack Size	1L	5L
Item Code	3420316	3418435
Barcode	9310084031090	9310084030864

*Based on CEC L-054-96-Fuel Economy Test.



MAGNATEC DIESEL DX 5W-40

Castrol MAGNATEC DIESEL DX 5W-40, DPF compatible technology with intelligent molecules for an extra layer of protection, reducing wear during the critical warm-up period. Its unique formulation protects from the moment you start, dramatically reducing* engine wear. Now with ultra-refined molecules, for protection you can see, hear and feel.

FEATURES & BENEFITS

FULL SYNTHETIC Castrol MAGNATEC DIESEL DX 5W-40 contains intelligent molecules that:

- Maintains engine efficiency and responsiveness through dedicated DPF compatible technology
- Provide excellent soot handling performance thus minimising oil thickening
- Provide superior performance under extreme cold start-up conditions compared to thicker grades
- Castrol MAGNATEC DIESEL DX 5W-40 has been specially formulated to deliver outstanding protection for the latest engines fitted with after treatment devices such as Diesel Particulate Filters and 3-way catalysts.

SPECIFICATION/TECHNICAL DATA

- API SN/CF
- ACEA C3
- GM dexos® 2

Pack Size	1L	5L	10L	20L	205L
Item Code	3383628	3383629	3422230	3384168	3415113
Barcode	9310084023613	9310084023620	9310084031533	9310084024139	9310084030147





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC DIESEL 15W-40

Castrol MAGNATEC DIESEL combines proven diesel technology with intelligent molecules for an extra layer of protection, reducing wear during the critical warm-up period. Its unique formulation protects from the moment you start, dramatically reducing* engine wear. Now with ultra-refined molecules, for protection you can see, hear and feel.

FEATURES & BENEFITS

PART SYNTHETIC Castrol MAGNATEC DIESEL 15W-40 contains intelligent molecules that:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects during start up and beyond
- Maintain engine efficiency and responsiveness in common rail diesel engines through proven diesel technology
- Provide excellent soot handling performance thus minimising oil thickening
- Castrol MAGNATEC DIESEL 15W-40 - Suitable for naturally aspirated, turbocharged and inter-cooled turbocharged engines. Also suitable for direct and indirect injection diesel engines.
Not recommended for heavy commercial vehicle application or vehicles fitted with diesel particulate filters.

SPECIFICATION/TECHNICAL DATA

- API SN/CF
- ACEA A3/B3, A3/B4

Pack Size	5L	10L
Item Code	3383364	3422638
Barcode	9310084023590	9310084031663

* As tested in the industry Sequence IVA wear test.





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC PROFESSIONAL C2 0W-30

Castrol MAGNATEC PROFESSIONAL'S intelligent molecules protect from the moment you start. They cling to the engine like a magnet providing an extra layer of protection, dramatically reducing engine wear.

Castrol MAGNATEC PROFESSIONAL. Instant Protection From The Moment You Start.

Castrol MAGNATEC PROFESSIONAL is certified CO₂ neutral according to the highest global standards.

Castrol MAGNATEC PROFESSIONAL has been specially engineered to deliver outstanding wear protection in today's modern engines.

FEATURES & BENEFITS

Castrol MAGNATEC PROFESSIONAL'S Intelligent Molecules:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects from the moment you start
- Bond to metal surfaces to make engine parts more resistant to wear
- Provide continuous protection for all driving conditions, styles and temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA C2

Pack Size	20L	208L	1000L
Item Code	3416386	3416385	3425644
Barcode	9 310084030376	9 310084030383	9 310084032653



MAGNATEC PROFESSIONAL 5W-40

Castrol MAGNATEC PROFESSIONAL'S intelligent molecules cling like a magnet, dramatically reducing* engine wear.

Up to 75% of engine wear happens while your engine warms up. When the engine stops, oils drain off critical engine parts, however Castrol MAGNATEC PROFESSIONAL'S intelligent molecules don't. They cling to the engine like a magnet providing an extra layer of protection; ready to protect from the moment you turn the key.

Castrol MAGNATEC PROFESSIONAL is certified CO₂ neutral according to the highest global standards.

Castrol MAGNATEC PROFESSIONAL has been specially engineered to deliver outstanding wear protection in today's modern engines.

FEATURES & BENEFITS

Castrol MAGNATEC PROFESSIONAL'S Intelligent Molecules:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects from the moment you turn the key;
- Bond to metal surfaces to make engine parts more resistant to wear;
- Provide continuous protection for all driving conditions, styles and temperatures.

SPECIFICATION/TECHNICAL DATA

- API SN/CF
- ACEA A3/B3, A3/B4

Pack Size	20L	205L
Item Code	3350465	3350464
Barcode	9310084019210	9310084019227



INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC PROFESSIONAL 10W-30

Castrol MAGNATEC PROFESSIONAL'S intelligent molecules protect from the moment you turn the key. They cling to the engine like a magnet providing an extra layer of protection, dramatically reducing engine wear.

Castrol MAGNATEC PROFESSIONAL'S unique formulation delivers protection you can see, hear and feel. Castrol MAGNATEC PROFESSIONAL. Instant Protection From The Moment You Start.

FEATURES & BENEFITS

Castrol MAGNATEC PROFESSIONAL is formulated with Intelligent Molecules that:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects from the moment you turn the key
- Bond to metal surfaces to make engine parts more resistant to wear
- Provide continuous protection for all driving conditions, styles and temperatures
- Provide enhanced fuel efficiency.

SPECIFICATION/TECHNICAL DATA

- API SN
- ILSAC GF-5

Pack Size	20L	205L	BULK
Item Code	3375027	3350551	3372324
Barcode	9 310084019173	9 310084019180	



MAGNATEC PROFESSIONAL 15W-40

Castrol MAGNATEC PROFESSIONAL'S intelligent molecules protect from the moment you turn the key. They cling to the engine like a magnet providing an extra layer of protection, dramatically reducing engine wear.

Castrol MAGNATEC PROFESSIONAL'S unique formulation delivers protection you can see, hear and feel.

Castrol MAGNATEC PROFESSIONAL. Instant Protection From The Moment You Start.

FEATURES & BENEFITS

Castrol MAGNATEC Professional is a SEMI SYNTHETIC engine oil with Intelligent Molecules that;

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects from the moment you turn the key
- Bond to metal surfaces to make engine parts more resistant to wear
- Provide continuous protection for all driving conditions, styles and temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA A3/B3, A3/B4
- API SN

Pack Size	20L	205L	BULK
Item Code	3350527	3350528	3350529
Barcode	9 310084019197	9 310084019203	





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC PROFESSIONAL A3 10W-30

Castrol MAGNATEC PROFESSIONAL A3 10W-30 is a PART SYNTHETIC, high performance multigrade engine oil engineered to be suitable for a wide range of petrol and diesel engines in passenger car, SUV and light commercial vehicles.

Castrol MAGNATEC PROFESSIONAL'S intelligent molecules cling like a magnet, dramatically reducing engine wear.

Up to 75% of engine wear occurs while your engine warms up. When the engine stops, oil drains off critical engine parts, however Castrol MAGNATEC PROFESSIONAL'S intelligent molecules don't. They cling to the engine like a magnet providing an extra layer of protection, ready to protect from the moment you turn the key.

Castrol MAGNATEC PROFESSIONAL has been specially engineered to deliver outstanding wear protection in today's modern engines.

FEATURES & BENEFITS

Castrol MAGNATEC PROFESSIONAL'S Intelligent Molecules:

- Cling to critical parts when the oil drains down
- Cling to your engine forming an extra layer that protects from the moment you turn the key
- Bond to metal surfaces to make engine parts more resistant to wear
- Provide continuous protection for all driving conditions, styles and temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA A3/B4, A3/B3
- API SN/CF
- MB-Approval 229.1

Pack Size	205L
Item Code	3378866
Barcode	9 310084021060



MAGNATEC PROFESSIONAL A5 5W-30

Castrol MAGNATEC PROFESSIONAL'S intelligent molecules protect from the moment you start. They cling to the engine like a magnet providing an extra layer of protection, dramatically reducing engine wear.

Castrol MAGNATEC PROFESSIONAL'S unique formulation delivers protection you can see, hear and feel. It is now certified CO₂ neutral according to the highest global standards.

Castrol MAGNATEC PROFESSIONAL. Instant Protection From The Moment You Start.

FEATURES & BENEFITS

Castrol MAGNATEC PROFESSIONAL'S Intelligent Molecules:

- Dramatically reduce engine wear during warm-up
- Provide continuous protection for all driving conditions, styles and temperatures.

SPECIFICATION/TECHNICAL DATA

- ACEA A1/B1, A5/B5
- ILSAC GF-4
- API SN/CF
- Meets Ford WSS-M2C913-C/D

Pack Size	20L	205L	BULK
Item Code	3369740	3374636	3372422
Barcode	9 310084019234	9 310084020568	





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC PROFESSIONAL C3 5W-40

Castrol MAGNATEC PROFESSIONAL'S intelligent molecules cling like a magnet, dramatically reducing engine wear.

Up to 75% of engine wear happens while your engine warms up. When the engine stops, oils drain off critical engine parts, however Castrol MAGNATEC PROFESSIONAL'S intelligent molecules don't. They cling to the engine like a magnet providing an extra layer of protection; ready to protect from the moment you turn the key. Castrol MAGNATEC PROFESSIONAL has been specially engineered to deliver outstanding wear protection in today's modern engines.

Castrol MAGNATEC PROFESSIONAL. Instant Protection From The Moment You Start.

FEATURES & BENEFITS

Castrol MAGNATEC Professional's Intelligent Molecules:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects from the moment you turn the key
- Bond to metal surfaces to make engine parts more resistant to wear
- Provide continuous protection for all driving conditions, styles and temperatures
- Suitable for a many automotive diesel engines fitted with DPF.

SPECIFICATION/TECHNICAL DATA

- ACEA C3
- Meets Fiat 9.55535-S2
- API SN/CF
- Renault RN 0700 / RN 0710

Pack Size	205L
Item Code	3372392
Barcode	9 310084018190



MAGNATEC PROFESSIONAL DX 5W-30

Castrol MAGNATEC PROFESSIONAL'S intelligent molecules protect from the moment you turn the key. They cling to the engine like a magnet providing an extra layer of protection, dramatically reducing engine wear.

Castrol MAGNATEC PROFESSIONAL delivers protection you can see, hear and feel.

Castrol MAGNATEC PROFESSIONAL. Instant Protection From The Moment You Start.

FEATURES & BENEFITS

Castrol MAGNATEC PROFESSIONAL'S Intelligent Molecules:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects from the moment you turn the key
- Bond to metal surfaces to make engine parts more resistant to wear
- Provide continuous protection for all driving conditions, styles and temperatures
- Provide enhanced fuel efficiency.

SPECIFICATION/TECHNICAL DATA

- API SP
- ILSAC GF-6
- GM dexos1® Gen 2
- Meets Ford WSS-M2C946-B1
- Meets Ford WSS-M2C961-A1

Pack Size	20L	205L
Item Code	3417787	3376289
Barcode	9 310084030611	9 310084019760





INSTANT PROTECTION FROM THE MOMENT YOU START

MAGNATEC PROFESSIONAL MP DX 5W-30

Castrol MAGNATEC PROFESSIONAL'S intelligent molecules protect from the moment you turn the key. They cling to the engine like a magnet providing an extra layer of protection, dramatically reducing engine wear.

Castrol MAGNATEC PROFESSIONAL'S unique formulation delivers protection you can see, hear and feel. Castrol MAGNATEC PROFESSIONAL. Instant Protection From The Moment You Start.

FEATURES & BENEFITS

Castrol MAGNATEC PROFESSIONAL'S Intelligent Molecules:

- Cling to critical engine parts when the oil drains down
- Cling to your engine forming an extra layer that protects from the moment you turn the key
- Bond to metal surfaces to make engine parts more resistant to wear
- Provide continuous protection for all driving conditions, styles and temperatures
- Suitable for diesel engines fitted with DPF.

SPECIFICATION/TECHNICAL DATA

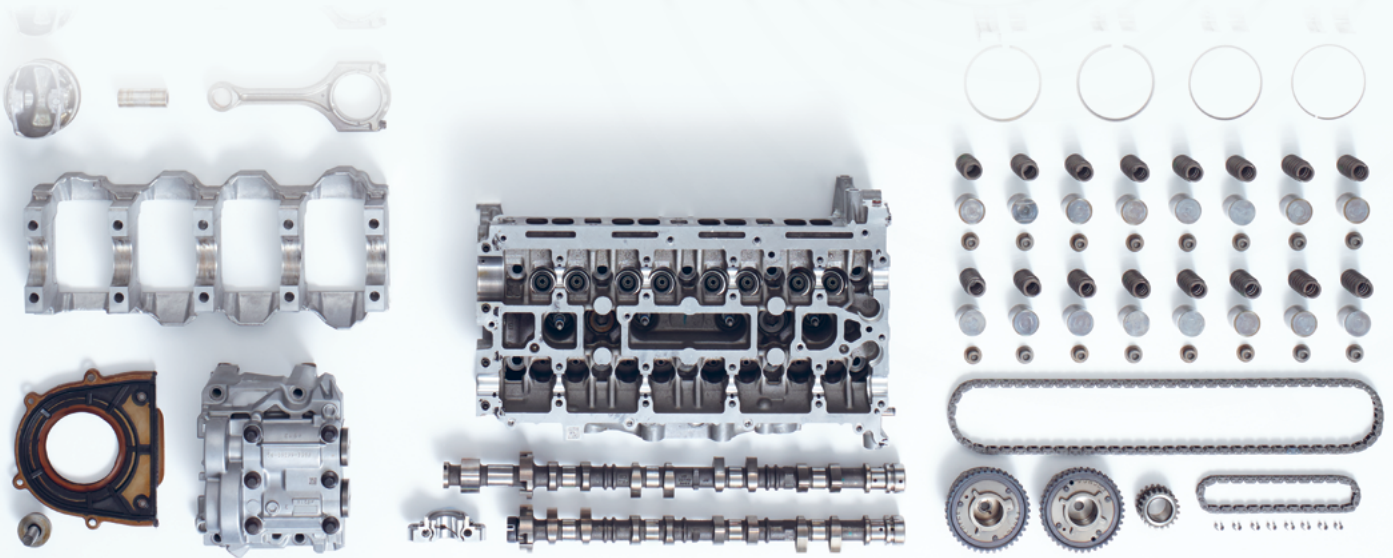
- ACEA C3
- API SN/CF
- dexos2®

Pack Size	20L	205L	1000L	BULK
Item Code	3381199	3381200	3409233	3381201
Barcode	9 310084023095	9 310084023101	9310084034756	



SYNTHETIC TECHNOLOGY


GTX
ULTRACLEAN



160,000 KMS AND IT'S STILL ULTRACLEAN

Independent testing over 160,000 kilometres* proved that **Castrol GTX ULTRACLEAN** demonstrates superior sludge protection. Engine parts were visibly clean with no build up of damaging engine sludge.

Castrol GTX ULTRACLEAN delivers 50% better sludge protection than tough industry limits.**

Castrol GTX Professional works hard to prevent the formation of sludge while also protecting against viscosity and thermal breakdown to help extend engine life.

Castrol GTX Professional's double action formula cleans away old sludge, and protects against new sludge formation better than tough industry standards.



* Rolling road testing in Ford Mondeo Ecoboost using CADC 130 (Rural/Highway) cycle with oil changes every 8,000 kms.
** 50% cleaner than the API SN limit as measured in the ASTM Sequence VG sludge test.





SUPERIOR SLUDGE PROTECTION

GTX ULTRACLEAN 10W-30

Castrol GTX is one of the world's most trusted engine oils. The modern world creates difficult challenges for engines. Poor fuel quality, heat and tough driving conditions can all lead to sludge that potentially shortens engine life. Sludge is a sticky deposit that builds up in an engine's vital oil-ways and it can prevent oil from protecting the engine.

Castrol GTX ULTRACLEAN's synthetic technology has superior performance. Its Double Action formula cleans away old sludge, and protects against new sludge formation, giving you more control over today's challenging conditions. Help extend the life of your engine with Castrol GTX ULTRACLEAN.

FEATURES & BENEFITS

Castrol GTX ULTRACLEAN 10W-30 with Synthetic Technology:

- Provides 50% superior sludge protection compared to tough industry standards*
- Advanced protection against viscosity and thermal breakdown
- Superior protection against high temperature deposits
- Premium quality base oils and anti-wear additives that extend the life of your engine.

SPECIFICATION/TECHNICAL DATA

- API SN
- ILSAC GF-5.

Pack Size	5L	20L	205L
Item Code	3411127	3411126	3411125
Barcode	9310084027369	9310084027352	9310084027345

*vs API SN requirements.



GTX ULTRACLEAN 15W-40

Castrol GTX is one of the world's most trusted engine oils. The modern world creates difficult challenges for engines. Poor fuel quality, heat and tough driving conditions can all lead to sludge that potentially shortens engine life. Sludge is a sticky deposit that builds up in an engine's vital oil-ways and it can prevent oil from protecting the engine.

Castrol GTX ULTRACLEAN's synthetic technology has superior performance. Its Double Action formula cleans away old sludge, and protects against new sludge formation, giving you more control over today's challenging conditions. Help extend the life of your engine with Castrol GTX ULTRACLEAN.

FEATURES & BENEFITS

Castrol GTX ULTRACLEAN 15W-40 with Synthetic Technology:

- Provides 50% superior sludge protection compared to tough industry standards*
- Advanced protection against viscosity and thermal breakdown
- Superior protection against high temperature deposits
- Premium quality base oils and anti-wear additives that extend the life of your engine.

SPECIFICATION/TECHNICAL DATA

- API SN/CF
- ACEA A3/B3

Pack Size	1L	5L	20L	205L
Item Code	3414908	3414906	3414903	3414904
Barcode	9310084030116	9310084030093	9310084030062	9310084030079

* Vs API SN industry standards.





SUPERIOR SLUDGE PROTECTION

GTX HIGH MILEAGE 15W-50

Castrol GTX is one of the world's most trusted engine oils. It's more than just oil. It's liquid engineering that protects against high mileage problems, like smoke and leaks that your engine faces every day.

As engines age, seals can become brittle, allowing oil to leak through your engine, increasing oil consumption. Help extend the life of your high mileage engine with Castrol GTX HIGH MILEAGE.

FEATURES & BENEFITS

- Engineered to protect against smoke and leaks
- Helps control oil consumption
- Seal friendly formulation preserves elasticity of engine seals
- Outstanding protection against engine wear
- Suitable for engines with over 100,000 kms.

SPECIFICATION/TECHNICAL DATA

- API SN/CF

Pack Size	1L	5L
Item Code	3413803	3413802
Barcode	9310084023675	9310084023682



GTX 20W-50

Castrol GTX is one of the world's most trusted engine oils. It's more than just oil. It's liquid engineering that protects against problems, like sludge that your engine faces every day. Severe driving conditions such as heavy traffic, poor fuel quality, harsh weather conditions and exceeding oil change intervals can all cause the build-up of a thick, tar-like substance called sludge.

You can't see this sludge build-up but it can damage your engine's performance and cause premature engine failure. Help extend the life of your engine with Castrol GTX.

FEATURES & BENEFITS

- Provides superior protection against engine sludge*
- Advanced protection against viscosity and thermal breakdown
- Premium quality base oils and anti-wear additives that help extend the life of your engine
- Helps minimise oil consumption.

SPECIFICATION/TECHNICAL DATA

- API SN/CF

Pack Size	1L	4L	5L	20L	205L
Item Code	3413902	3413900	3413901	3415234	3415233
Barcode	9 310084029462	9 310084029448	9 310084029455	9 310084030161	9310084030178

* vs API SN limits





SUPERIOR SLUDGE PROTECTION

GTX 5W-30 RN17

Castrol GTX is one of the world's most trusted engine oils. It's more than just oil. It's liquid engineering that protects against problems, like sludge that your engine faces every day. Severe driving conditions such as heavy traffic, poor fuel quality, harsh weather conditions and exceeding oil change intervals can all cause the build-up of a thick, tar-like substance called sludge.

You can't see this sludge build-up but it can damage your engine's performance and cause premature engine failure. Help extend the life of your engine with Castrol GTX.

FEATURES & BENEFITS

- Provides superior protection against engine sludge*
- Advanced protection against viscosity and thermal breakdown
- Premium quality base oils and anti-wear additives that help extend the life of your engine
- Helps minimise oil consumption.

SPECIFICATION/TECHNICAL DATA

- ACEA C3
- Renault RN17

Pack Size	20L	205L
Item Code	3428037	3428036
Barcode	9310084032936	9310084032943

* Vs. ACEA C3 limits



GTX DIESEL 15W-40

Castrol GTX is one of the world's most trusted engine oils. It's more than just oil. It's liquid engineering that provides extra protection against diesel engine problems, like soot and harsh deposits that your engine faces every day. Why is this important? Because soot and harsh deposits can make your oil thicker, block oil ways, cause wear and decrease performance.

Help extend the life of your engine with Castrol GTX DIESEL.

FEATURES & BENEFITS

- Provides superior cleaning power to maintain engine performance
- Reduces the build-up of harsh deposits
- Helps prevent oil from thickening to keep it flowing freely
- Outstanding diesel engines wear protection
- Suitable for inter-cooled, turbo-charged diesel engines.

SPECIFICATION/TECHNICAL DATA

- API CH-4/SJ
- NOT recommended for vehicles fitted with Diesel Particulate Filters or petrol engines with catalytic converters

Pack Size	1L	5L	10L	20L	205L
Item Code	3383439	3383440	3422391	3383492	3384466
Barcode	9403044104191	9310084023743	9310084031540	9310084023767	9310084024146



SUPERIOR SLUDGE PROTECTION

GTX PROFESSIONAL 10W-30

Castrol GTX PROFESSIONAL is one of the world's most trusted motor oils. It's more than just oil. It's liquid engineering that protects against problems, like sludge, that your engine faces every day.

Severe driving conditions such as every day stop-and-go/stop-start traffic, harsh weather conditions and extended drain intervals, can all cause the build-up of a thick, tar-like substance called sludge. You can't see this sludge build-up but it can damage your engine's performance and cause premature engine failure.

Protect your car from harmful sludge build-up with Castrol GTX PROFESSIONAL.

FEATURES & BENEFITS

- Contains anti-sludge formula that provides superior sludge protection compared to tough industry standards
- Provides superior protection against viscosity and thermal breakdown
- Features anti-wear additives that extend the life of your engine.

SPECIFICATION/TECHNICAL DATA

- API SN
- ILSAC GF-4

Pack Size	20L	205L	BULK
Item Code	3350559	3350557	3350558
Barcode	9310084019111	9310084019128	



GTX PROFESSIONAL 15W-40

Castrol GTX PROFESSIONAL 15W-40 provides advanced engine protection and is suitable for a wide range of passenger car, SUV and light commercial vehicle petrol engines. Castrol GTX PROFESSIONAL 15W-40 is also suitable in many diesel engines of both passenger cars and light commercial vehicles.

Castrol GTX PROFESSIONAL 15W-40 with Synthetic Technology is your guarantee of professional quality.

Castrol GTX PROFESSIONAL – outstanding sludge protection.

FEATURES & BENEFITS

- Superior engine protection under all driving conditions
- Rapid, even flow at start-up for smoother idling
- High thermal stability minimises engine deposits
- Highly effective detergent and dispersant system to keep engine internals clean
- Suitable for a wide range of petrol and diesel passenger cars and light commercial vehicles
- Outstanding oil consumption control
- Viscosity range that can be used in many new and older model vehicles.

SPECIFICATION/TECHNICAL DATA

- API SN / CF
- ACEA A3/B4

Pack Size	20L	205L	BULK
Item Code	3350555	3350554	3350553
Barcode	9 310084019135	9 310084019142	



A SMALL STEP ON OUR PATH TO CHANGE

FROM 2021, ALL CASTROL PRODUCTS
WE SELL IN AUSTRALIA WILL BE
COMMITTED TO CARBON NEUTRALITY
IN ACCORDANCE WITH PAS 2060**
A SMALL STEP TOWARDS A MORE SUSTAINABLE FUTURE



PATH360
CARBON NEUTRAL*

IT'S MORE THAN JUST OIL.
IT'S LIQUID ENGINEERING.

* in accordance with PAS 2060, see www.castrol.com/cneutral for more information.

** The CO₂e emissions are calculated in accordance with the Greenhouse Gas Protocol's Product Life Cycle Standard and includes life cycle emissions. The demonstration of carbon neutrality will be assured by an Independent Third-Party and certified to BSI's PAS 2060 carbon neutral specification. See www.castrol.com/cneutral for more information.



VECTON FUEL SAVER 5W-30 E6/E9

A full synthetic low SAPS engine oil delivering up to 40% better performance (than API and ACEA industry standards) in the latest European diesel engines including Euro VI and engines fitted with DPF. It also gave up to 1% fuel saving* in a Euro V engine using the European Transient Cycle test when compared to a modern top tier 15W-40 engine oil.

FEATURES & BENEFITS

Designed for better fuel economy in the latest Euro VI diesel engines. Also suitable for extended service intervals as recommended by many European engine manufacturers, including Mercedes-Benz, and Volvo, and is approved for use in MAN Euro VI engines. It can be used in low emission Euro IV & Euro V European trucks and buses, especially those requiring a low SAPS lubricant and in older on-road and off-road vehicles and equipment that require this performance level.

- Delivers real world fuel savings without compromising engine protection
- Fights wear to critical engine components even at low viscosity
- Fights piston deposits helping to reduce oil consumption
- Fights harmful acids which form during engine operation
- Maintains the efficiency of exhaust after-treatment systems ensuring continued compliance with emissions legislation.

SPECIFICATION/TECHNICAL DATA

- ACEA E6, E7, E9
- API CJ-4
- JASO DH-2
- CAT ECF-3
- Cummins CES 20081
- Deutz DQC IV-10LA
- Mack EO-M Plus, EO-O Premium Plus
- MAN M 3271-1, M 3477 M 3677
- MB-Approval 228.31/ 228.51
- MTU Oil Category 3.1
- RVI RLD-3
- Scania Low Ash
- Volvo CNG, VDS 4
- For Iveco trucks requiring ACEA E6, E7, E9
- Meets DAF PX Euro VI requirements
- Scania LDF-4

Pack Size	20L	208L
Item Code	3415454	3414365
Barcode	9310084031243	9310084029851



* Compared to 15W-40. Refer Castrol PDS.



VECTON LONG DRAIN 15W-40 CK-4/E9

REPLACES VECTON LONG DRAIN 15W-40 CJ-4/E9

Castrol VECTON® LONG DRAIN 15W-40 CK-4/E9 is an advanced part synthetic heavy duty diesel engine oil that is specifically engineered to deliver longer useful oil life. It is suitable for use in high speed 4-stroke diesel engines and is compatible with diesel engines fitted with an EGR. It is also compatible with the latest exhaust after treatment systems such as; DPF, DOC and/or SCR.

FEATURES & BENEFITS

Castrol VECTON® Long Drain 15W-40 CK-4/E9 with System Pro Technology™ is specifically engineered and tested for extended drains up to 80,000 kms*. Castrol VECTON Long Drain System Pro Technology™ has an extra performance reserve that fights oil breakdown by:

- Combating oxidation and deposits
- Neutralising harmful acids
- Controlling oil aeration
- Also adapting to increased temperatures while resisting viscosity loss through shear.

All of this means longer useful oil life, giving you the confidence in your maximum drain interval.

Oil drain intervals vary based on factors such as engine type, duty cycle and fuel burn. Consult service manuals for recommended oil drain intervals. Extended drains may be possible if done in conjunction with Castrol's Used Oil Analysis (UOA) program and in consultation with Castrol's Technical Services team.

SPECIFICATION/TECHNICAL DATA

- ACEA E9
- API CK-4
- JASO DH-2
- CAT ECF-3
- Cummins CES 20086
- DDC DFS 93K222
- Deutz DQC III-10LA
- Meets Ford WSS-M2C171-F1
- Mack EOS-4.5
- MB-Approval 228.31
- RVI RLD-3
- Volvo VDS-4.5

Pack Size	20L	205L	1000L	BULK L
Item Code	3418174	3418175	3418173	3414433
Barcode	9310084030680	9310084030673	9310084021879	9310084031151



* Refer Castrol PDS.



VECTON LONG DRAIN 10W-40 E6/E9

REPLACES VECTON LONG DRAIN 10W-40 LS

Castrol VECTON LONG DRAIN 10W-40 E6/E9 is a full synthetic low SAPS engine oil engineered for extended oil drain in the latest European diesel engines including Euro 6 and engines fitted with DPF, in accordance with OEM specifications.

FEATURES & BENEFITS

- Designed for extended drain in the latest Euro 6 diesel engines. It can also be used in low emission Euro 4 & Euro 5 European trucks and buses, especially those requiring a low SAPS lubricant and in older on-road and off-road vehicles and equipment that require this performance level
- Approved by Mercedes Benz, MAN, Renault, Volvo and Deutz for oil drain up to 100,000 Km2, in accordance with their specifications
- Oil drain intervals vary based on factors such as engine type, duty cycle and fuel burn*.

SPECIFICATION/TECHNICAL DATA

- ACEA E6, E7, E9
- API CJ-4
- JASO DH-2
- CAT ECF-3
- Cummins CES 20081
- Deutz DQC IV-10LA
- Mack EO-O Premium Plus
- MAN M 3271-1, M 3477
- MB-Approval 228.51
- MTU Oil Category 3.1
- RVI RLD-3
- Volvo CNG, VDS 4
- For Iveco trucks requiring ACEA E6/E7/E9
- Meets DAF Euro VI requirements

Pack Size	5L	20L	208L	1000L
Item Code	3415495	3415494	3415493	3420393
Barcode	9310084030239	9310084030246	9310084030253	9310084031151
TUN Code	19310084030236			



*Consult service manuals for recommended oil drain intervals. Extended drains may be possible if done in conjunction with Castrol's Used Oil Analysis (UOA) program and in consultation with Castrol's Technical Services team.



VECTON LONG DRAIN 10W-40 E7

A heavy duty diesel engine oil designed to allow fleet operators to run their Scania vehicles to maximum oil drain[^] intervals.

Its primary application is for the latest low emission Euro 4 and Euro 5 Scania trucks and buses; Castrol VECTON LONG DRAIN 10W-40 E7 is also suitable for use in any vehicle requiring the ACEA E7 level of performance.

Castrol VECTON LONG DRAIN 10W-40 E7 provides exceptional resistance to soot loading, and delivers outstanding performance when you run extended drains, even under severe operating conditions.

FEATURES & BENEFITS

- Maximum oil drain intervals to keep vehicles on the road for longer. Scania have approved Castrol VECTON LONG DRAIN 10W-40 E7 for use at extended oil drain intervals in their latest diesel engines
- Engine protection, even when soot and other contaminants are present. It protects against all types of engine wear, deposit build-up and bore-polishing. Its advanced formulation continues to protect even under the most severe conditions, extending engine life and preventing unscheduled downtime.

All Castrol VECTON products are certified CO₂ neutral against National Carbon Offset Standard (NCOS).

SPECIFICATION/TECHNICAL DATA

- SAE 10W-40
- ACEA E4, E7
- Scania LDF-3
- Volvo VDS-3
- Deutz DQC 111-10
- Mack EO-N
- MAN M 3277
- MB Approval 228.5
- MTU Oil Category 3
- RVI RLD-2

Pack Size	205L
Item Code	3410898



[^]An extended drain interval programme should be undertaken in conjunction with Castrol Technical Service, who can assist with oil sampling frequency and interpretation of oil analysis results. Engage your OEM to understand your equipment's extended drain capability prior to commencing any long drain program.



VECTON 15W-40 CK-4/E9

Castrol VECTON 15W-40 CK-4/E9 is an advanced diesel engine oil that maximises engine performance in the latest US, European and Japanese heavy-duty diesel engines including severe applications such as a high loads and multi-trailer operations.

It is recommended for most highly loaded, heavy duty four stroke diesel engines from US, European and Japanese manufacturers, to ADR 80/03 and earlier specifications.

FEATURES & BENEFITS

Castrol VECTON 15W-40 CK-4/E9 with System Pro Technology™ is specifically engineered and tested to meet all major OEM drain claims for API CK-4.

Castrol VECTON's System Pro Technology™ has an extra performance reserve that fights oil breakdown by:

- Combination oxidation and deposits
- Neutralising harmful acids
- Controlling oil aeration
- Also adapting to increased temperatures while resisting viscosity loss through shear.

All of this means longer useful oil life, giving you the confidence in your maximum drain interval.

Oil drain intervals vary based on factors such as engine type, duty cycle and fuel burn. Consult service manuals for recommended oil drain intervals. Extended drains may be possible if done in conjunction with Castrol's Used Oil Analysis (UOA) program and in consultation with Castrol's Technical Services team.

SPECIFICATION/TECHNICAL DATA

- ACEA E9
- API CK-4
- CAT ECF-3
- Cummins CES 20086
- DDC DFS 93K222
- JASO DH-2
- Mack EOS-4.5
- MB-Approval 228.31
- MTU Oil Category 2.1
- RVI RLD-3
- Volvo VDS-4.5

Pack Size	5L	20L	205L	1000L	BULK L
Item Code	3415966	3413003	3413004	3413002	3413005
Barcode	9310084030314	9310084021800	9310084021817	9310084021824	



*Compared to API and ACEA industry requirements and based on tests conducted on 81% of the Castrol VECTON range by volume using 12 months sales up to March 2017.

RX SUPER CJ-4 IS SUPER VERSATILE!

CASTROL RX SUPER is a multi-fleet diesel engine oil, suitable for all heavy duty vehicles and applications requiring CJ-4 as well as vehicles manufactured from the U.S, Europe, China and Japan.



Castrol RX SUPER 15W-40 CJ-4/E9
contains DuraShield Boosters™
... extra boosters added to
provide better wear protection.



**DELIVERS UP TO 40% BETTER
WEAR PROTECTION***

* Average of wear parameters in industry
standard tests vs. industry test pass criteria

FORMERLY

CASTROL RX MAX 15W-40
CASTROL RX J MAX 15W-40
CASTROL RX PLUS 15W-40
CASTROL RX SUPER 15W-40

CONSOLIDATED PRODUCT

CASTROL RX SUPER 15W-40 CJ-4/E9

Castrol **RX SUPER**

RX DIESEL 15W-40 CI-4/E7

Castrol RX DIESEL 15W-40 CI-4/E7 is a multi-purpose, heavy duty diesel engine oil. It is suitable for use in high speed 4-stroke diesel engines that use a broad range of fuel qualities. It is also compatible with diesel engines fitted with exhaust gas recirculation (EGR) systems.

FEATURES & BENEFITS

- Contains cleaning agents which displace particles that may otherwise build up on your engine surfaces reducing deposits
- Contains anti-oxidants which disrupt the chemical reactions that can lead to oil thickening
- Provides effective piston deposit control and maintains its viscosity to encourage long and healthy engine life.

SPECIFICATION/TECHNICAL DATA

- ACEA E7
- API CI-4/SL
- CAT ECF-2
- Cummins CES 20077, CES 20078
- DDC Powerguard 93K215
- Deutz DQC III-10LA
- Mack EO-M Plus, EO-N
- MB-Approval 228.3
- MTU Oil Category 2.1
- RVI RLD-2
- Volvo VDS 3
- Meets requirements of M3275-1



Pack Size	5L	7L	10L	20L	205L	1000L	BULK L
Item Code	3418223	3420724	3418281	3418225	3418224	3418226	3418227
Barcode	9310084030840	9310084031267	9310084030765	9310084030833	9310084030826	9310084030819	



RX DIESEL 15W-40 CI-4 PLUS/E7

Castrol RX DIESEL 15W-40 CI-4 Plus/E7 is a multi-purpose, heavy duty diesel engine oil. It is suitable for use in high speed 4-stroke diesel engines that use a broad range of fuel qualities. It is also compatible with diesel engines fitted with exhaust gas recirculation (EGR) systems.

Recommended by Castrol for use in all naturally aspirated and turbocharged diesel engines fitted in trucks, tractors, buses, LCV's and off-highway equipment, agricultural and fixed plant machinery without DPF/DPD exhaust after-treatment devices.

FEATURES & BENEFITS

During its working life, your engine faces challenges from combustion by-products that can form deposits, and thicken the oil. Castrol RX DIESEL 15W-40 CI-4 Plus/E7 combats these issues in two ways:

- Contains cleaning agents which displace particles that may otherwise build up on your engine surfaces reducing deposits
- Contains anti-oxidants which disrupt the chemical reactions that can lead to oil thickening.

Castrol RX DIESEL 15W-40 CI-4 Plus/E7 provides effective piston deposit control and maintains its viscosity to encourage long and healthy engine life.

SPECIFICATION/TECHNICAL DATA

- ACEA E7
- API CI-4 PLUS
- CAT ECF-2
- Cummins CES 20077, CES 20078
- DDC Powerguard 93K214
- Deutz DQC III-10
- Mack EO-N Premium Plus
- MB-Approval 228.3
- MTU Oil Category 2
- RVI RLD-2
- Volvo VDS 3
- Meets requirements of MAN M 3275

Pack Size	5L	20L	205L	1000L	BULK L
Item Code	3418231	3418229	3418230	3418228	3418232
Barcode	9310084030802	9310084030796	9310084030789	9310084030772	



RX SUPER 15W-40 CJ-4/E9

Castrol RX SUPER 15W-40 CJ-4/E9 is an advanced, heavy duty diesel engine oil. It is suitable for use in high speed 4- stroke diesel engines that use a broad range of fuel qualities. It is compatible with diesel engines fitted with EGR and the latest exhaust after treatment systems such as; DPF, DOC and/or SCR.

Recommended for use in all naturally aspirated and turbocharged diesel engines fitted in trucks, tractors, buses, LCV's and off-highway equipment, agricultural and fixed plant machinery.

FEATURES & BENEFITS

New and advanced Castrol RX SUPER 15W-40 CJ-4/E9 with specially engineered DuraShield™ boosters delivers 40% better wear protection*.

One of the main causes of damage in modern engines is abrasive wear. Castrol RX SUPER 15W-40 CJ-4/E9 with DuraShield™ boosters is proven in industry testing to provide protection to your engine in two ways:

- Under severe engine operating conditions soot can agglomerate to form large particles which displace oil on moving metal surfaces. This results in metal to metal contact. Castrol RX SUPER 15W-40 CJ-4/E9 with DuraShield™ boosters helps to prevent the agglomeration of soot as well as protecting surfaces from wear
- Castrol RX SUPER 15W-40 CJ-4/E9 with DuraShield™ boosters provides a protective layer on the moving metal surfaces which resists break down even under difficult conditions.

SPECIFICATION/TECHNICAL DATA

- ACEA E9
- API CJ-4
- JASO DH-2
- CAT ECF-3
- Cummins CES 20081
- DDC Powerguard 93K218
- Deutz DQC III-10LA
- Mack EO-O Premium Plus
- MB-Approval 228.31
- MTU Oil Category 2.1
- RVI RLD-3
- Volvo VDS 4

Suitable for use in agricultural applications where API CJ-4 or ACEA E9 is required.

Pack Size	5L	7L	10L	20L	205L	1000L	BULK L
Item Code	3418278	3420723	3418281	3418280	3418279	3418281	3418283
Barcode	9310084030765	9310084031250	9310084030765	9310084030758	9310084030741	9310084030734	

*average of wear parameters in industry tests vs industry standard limits





RX MONO 30 CF

Castrol RX MONO 30 CF is a diesel engine oil designed for use in heavy duty diesel engines, hydraulic systems and transmissions that specify the use of monograde diesel engine oil.

FEATURES & BENEFITS

During its working life, your engine faces challenges from combustion by-products that can form deposits, and thicken the oil. Castrol RX MONO 30 CF combats these issues in two ways:

- It contains cleaning agents which displace particles that may otherwise build up on your engine surfaces reducing deposits
- It also contains anti-oxidants which disrupt the chemical reactions that can lead to oil thickening.

Castrol RX MONO 30 CF provides protection across multiple applications to encourage long and healthy engine life.

SPECIFICATION/TECHNICAL DATA

- API CF/SF

Pack Size	20L	205L
Item Code	3416718	3416720
Barcode	9310084032820	9310084030413



RX MONO 40 CF

Castrol RX MONO 40 CF is a diesel engine oil designed for use in heavy duty diesel engines, hydraulic systems and transmissions that specify the use of monograde diesel engine oil.

FEATURES & BENEFITS

During its working life, your engine faces challenges from combustion by-products that can form deposits, and thicken the oil. Castrol RX MONO 40 CF combats these issues in two ways:

- It contains cleaning agents which displace particles that may otherwise build up on your engine surfaces reducing deposits
- It also contains anti-oxidants which disrupt the chemical reactions that can lead to oil thickening.

Castrol RX MONO 40 CF provides protection across multiple applications to encourage long and healthy engine life.

SPECIFICATION/TECHNICAL DATA

- API CF/SF

Pack Size	20L	205L
Item Code	3425563	3416774
Barcode	9310084032660	9310084030437

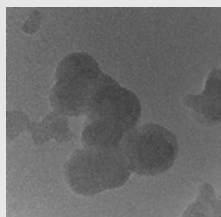


WHAT ARE DURASHIELD BOOSTERS™?

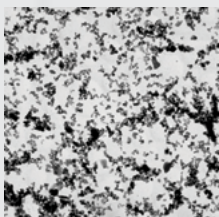
THE PROBLEM:

SOOT AGGLOMERATION LEADS TO ABRASIVE WEAR.

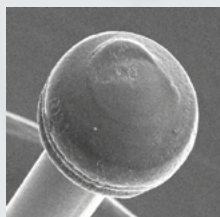
Despite you taking the best care, from the first day you drive your truck, the engine remains vulnerable to damaging wear. Tiny soot particles attract each other to form larger particles.



Soot particles 10-40 nm



Soot agglomerate
300-1000 nm



Pin Head 1,000,000 nm



Even though 1000 times smaller than a pin head, they are big enough to cause abrasive wear and damage the engine.

They do so by displacing oil on the moving metal surfaces, causing harmful abrasion.

THE SOLUTION:

CASTROL RX SUPER WITH DURASHIELD BOOSTERS™

Castrol RX Super 15W-40 CJ-4/E9 with specially formulated DuraShield Boosters™ protects against wear to help ensure a long and healthy engine life in two specific ways:

Prevent soot agglomeration:

DuraShield Boosters™ form a protective layer around the smaller soot particles, which stops them from forming larger abrasive particles. This helps prevent displacement of oil on moving surfaces, and reduces metal to metal contact.

Forms protective layer:

Castrol RX Super with DuraShield Boosters™ provides a protective layer on the moving metal surfaces, which resists breakdown even under difficult conditions.



CRB MINING 15W-40 CK-4

CRB Mining 15W-40 CK-4 is a low SAPS SAE 15W-40 advanced heavy duty engine oil suitable for use in diesel engines where API CK-4 or CJ-4 and below is required. CRB Mining 15W-40 CK-4 offers better performance and protection for all existing heavy duty equipment and ensures that hardware performs to full potential.

FEATURES & BENEFITS

CRB Mining 15W-40 CK-4 is recommended for most heavy duty, four stroke diesel engines from US manufacturers to ADR 80/03 and earlier specifications. Also, the product can be used where low ash oils are recommended or preferred by engine manufacturers. Suits most applications where Diesel Particulate Filters (DPF), Diesel Particulate Diffusers (DPD), or similar devices are fitted.

SPECIFICATION/TECHNICAL DATA

- ACEA E9
- API CK-4
- JASO DH-2
- Allison TES 439
- CAT ECF-3
- Cummins CES 20086
- Deutz DQC III-10 LA
- DDC DFS 93K222
- Mack EOS-4.5
- MB-Approval 228.31
- MTU Oil Category 2.1
- RVI RLD-3
- Volvo VDS-4.5

Pack Size	20L	205L	1000L	Bulk
Item Code	3416732	3416733	3416731	3416734
Barcode	9310084030482	9310084030475	9310084030468	

CRB RAIL 20W-40

Castrol CRB Rail 20W-40 is a multigrade premium diesel engine oil formulated with highly refined base oils and the latest additive system for providing superior protection in General Motors (EMD) and General Electric (GE) latest generation railroad diesel engines. Castrol CRB Rail 20W-40 is formulated to meet LMAO Generation 6 engine oil requirements. When used in conjunction with a quality used oil trend analysis program and OEM's maintenance instructions, locomotive engine models operating in moderate service may be capable of extended protection up to 6 months, 184 days (maximum).

FEATURES & BENEFITS

The advanced formulation of Castrol CRB Rail 20W-40 provides enhanced protection and cleanliness for a more reliable engine, giving long and healthy engine life.

Product benefits include:

- High detergency assuring engine cleanliness
- Extended protection enabling a long service life - up to 184 day drain intervals*
- Good sludge resistance and filter performance
- Potential for lower oil consumption vs monograde oils.

* When used in conjunction with a quality used oil trend analysis program and OEM's maintenance instructions, locomotive engine models operating in moderate service may be capable of extended protection up to 6 months, 184 days (maximum).

SPECIFICATION/TECHNICAL DATA

- GE - Fundamental Approval
- EMD - Internal Listing, Worthy of Field Trial

Pack Size	205L	1000L	Bulk
Item Code	3383878	3383877	3383879
Barcode	9310084024566	9310084024559	

CRB RAIL 20W-40 LS

Castrol CRB Rail 20W-40 LS is a multigrade premium diesel engine oil formulated with highly refined base oils, formulated without zinc and phosphorus, featuring the latest additive system for providing superior protection in Progress Rail (EMD) and Webtec (GE) latest generation railroad diesel engines.

Castrol CRB Rail 20W-40 LS is formulated to meet LMAO Generation 7 engine oil requirements. When used in conjunction with a quality condition-based monitoring program and OEM's maintenance instructions, locomotive engine models operating in moderate service may be capable of extended protection past the 184 days achieved with a LMAO Generation 6 engine oil. LMOA GEN 7 RREO formulations effectively address the increased stress factors of locomotive engines equipped with EGR (Tier 4) to align with established maintenance conditions. Also compatible with older locomotives and potential to improve operating efficiencies.

FEATURES & BENEFITS

The advanced formulation of Castrol CRB Rail 20W-40 LS provides enhanced protection and cleanliness for a more reliable engine, giving long and healthy engine life.

Product benefits include:

- Lower oil consumption
- Ability to move from set drain intervals to condition based monitoring
- Compatible with older locomotives and potential to improve operating efficiencies
- High detergency assuring engine cleanliness
- Extended protection enabling a long service life
- Good sludge resistance and filter performance
- Potential for lower oil consumption vs monograde oils.

SPECIFICATION/TECHNICAL DATA

- GE - Fundamental Approval
- EMD - Internal Listing, Worthy of Field Trial

Pack Size	205L	1000L	Bulk
Item Code	3425474	3425473	3425475
Barcode	9310084032547	9310084032554	

AGRICULTURAL PRODUCTS



AGRI AS TRANS PLUS 20W-30

REPLACES AGRI AS TRANS PLUS

Universal, wet brake transmission hydraulic fluid designed to satisfy the requirements of most tractors and farm machinery manufacturers.

FEATURES & BENEFITS

- One oil reduces inventory, saves money
- One oil simplifies servicing, avoids misapplication
- Formulated to minimise wet brake chatter, improves brake efficiency
- SAE 20W-30 viscosity rating, ideally suited to the majority of Australian farming regions
- Provides outstanding gear wear protection and bearing durability extending component life.

SPECIFICATION/TECHNICAL DATA

- SAE 20W-30, 80W-85
- API Gear: GL-4
- Massey Ferguson: M1135
- Ford/New Holland: M2C86-B
- New Holland NH420 A

Pack Size	3 x 5L	20L	205L	1000L
Item Code	3362252	3362250	3362251	3378326
Barcode	9310084023323	9310084023330	9310084023316	9310084020919
Tun Code	19310084023320			



AGRI GREASE ULTRA

REPLACES AGRI GREASE PLUS

High performance grease for a wide range of farm and associated machinery applications, including cars, trucks, 4WDs and pumps. Proven performance in severe duty applications, protecting ball & roller bearings, especially on-land/on-road, high load applications.

FEATURES & BENEFITS

- One grease simplifies servicing and avoids misapplication
- One grease reduces inventory, which saves money
- Contains corrosion inhibitors to provide protection between seasons
- High melting point ensures lubrication is maintained in high temperature applications
- Can be used in disc brake wheel bearings.

SPECIFICATION/TECHNICAL DATA

- Lithium Complex
- Smooth-Tacky
- NLGI 2
- Drop Point °C 260+
- Dark green

Pack Size	12 x 450g	20KG	180KG
Item Code	3377648	3377647	3377645
Barcode	9310084022265	9310084022258	9310084022234
Tun Code	19310084022262		



AGRICULTURAL PRODUCTS



AGRI MP PLUS 20W-40

REPLACES AGRI MP PLUS

Quality multi-purpose oil suitable for use in a wide range of applications on the farm. It has been developed specifically to deliver performance and protection for engines, transmissions, wet brakes, hydraulics and front axles.

FEATURES & BENEFITS

- One oil simplified servicing, avoids misapplication
- One oil reduces inventory, saves money
- Rationalises oil stocks
- Improved wear protection in latest generation diesel engines.

SPECIFICATION/TECHNICAL DATA

- SAE: 20W-40, 80W-85
- Diesel: API CE*
- Petrol: API SF
- Gear: GL-4

Note: Castrol Agri MP Plus 20W-40 is NOT suitable for use in:

- Hypoid differentials where and API GL5 lubricant is recommended
- Motor vehicle automatic transmissions
- Detroit Diesel two stroke engines
- Two stroke petrol engines.

* Has enhanced soot handling performance

Pack Size	20L	205L
Item Code	3334244	3334242
Barcode	9310084022272	9310084007521



AGRI TRANS PLUS 80W

REPLACES AGRI TRANS PLUS

Universal wet brake transmission fluid for use in hydraulics, transmissions and PTO's. Formulated to give outstanding gear wear protection and bearing durability as well as good performance in wet brakes.

FEATURES & BENEFITS

- Outstanding gear wear protection and bearing durability to extend component life
- SAE 10W-30 viscosity rating which is beneficial for cold start-up hydraulic performance
- Suitable for separate hydraulic systems where SAE 15W, 20W or 10W-30 fluids are specified, this allows for product rationalisation and inventory opportunities.

SPECIFICATION/TECHNICAL DATA

- SAE 10W-30
- SAE 80W
- API GL4
- Massey Ferguson M1145
- John Deere J20C
- ZF TE-ML 03E, 05F, 17E, 21F
- Volvo Transmission Oil 97303
- Ford ESN-M2C134-D

Pack Size	20L	205L	1000L	BULK
Item Code	3379399	3379400	3379398	3307346
Barcode	9310084022319	9310084022326	9310084022302	



ISSUE: **E011**
DRIVELINE FLUIDS

TECH TALK - EXPERT TO EXPERT

CASTROL TECHNICAL HELPLINE
1300 557 998**'FILLED FOR LIFE' DRIVELINE COMPONENTS?**
REGULAR MAINTENANCE IS THE KEY TO RELIABLE PERFORMANCE.**LIKE ENGINE OILS, ARE DRIVELINE FLUIDS PROTECTED BY INDUSTRY STANDARDS?**

Driveline fluids, like engine oils, are approved to industry standards such as API, SAE J2360 and MT-1 performance levels. As an example, take Castrol Syntrox Universal Plus 75W-90 that is qualified to API GL4, GL5 and MT-1. These leading industry bodies and certifications determine the minimum requirements for fluids used in the majority of vehicles in Australia. These standards provide you and your customer with a level of confidence that the oil or fluid you use in your workshop has the appropriate level of performance to ensure long equipment life, particularly where no OEM specification is listed.

IF WE HAVE INDUSTRY STANDARDS, WHY DO OEMS DEFINE THEIR OWN STANDARDS?

OEMs are increasingly working with lubricant companies to define their own standards for lubricant performance. These fluids are tailored specifically for the components they manufacture. These standards ensure the lubricant delivers superior performance as they are developed for the engine or component manufactured by the OEM.

Castrol has partnerships with major OEMs such as the VW group, Ford and Jaguar/Land Rover. This provides Castrol with an opportunity to begin developing lubricants years in advance of the release of a component, when it exists only as a drawing. This approach gives Castrol's Lubrication Engineers a unique insight into the tribology and specific requirements of the components so they can deliver a product that maximises performance and extends component life. This is Castrol Co-Engineering! To secure lubricant approvals often requires lengthy field trials that can last for up to 5 years. Castrol Syntrox FE 75W was developed in partnership with Ford and is one great example of co-engineering.

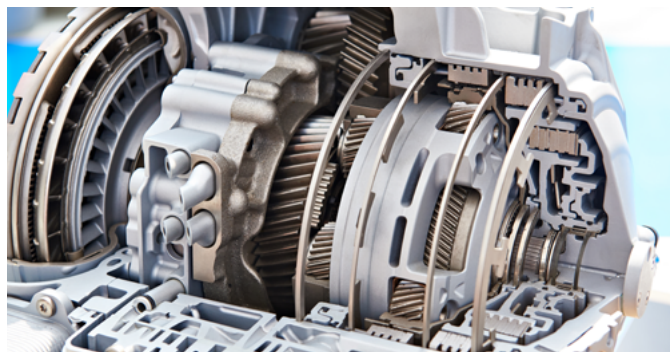
**WHERE DID THE IDEA OF 'FILLED FOR LIFE' ORIGINATE?**

OEMs are working to improve fuel efficiency and provide quality driveability. This has led to the development of OEM service fill specifications for driveline products. Common examples are DEXRON® for Holden transmissions and MERCON® performance levels for Ford transmissions. Castrol Transmax DEXRON®-VI MERCON® LV is OEM approved and licensed by Ford (MERCON® LV) and GM (DEXRON®-VI). As competition for car sales increases, "filled for life" becomes a strategy to reduce the cost of ownership of a vehicle and improve its environmental impact by removing the need to change the oil, filters and screens in manual and automatic transmissions and in differentials and cooling systems. Typically these filled for life fluids are extremely high quality synthetic oils or long life coolants with the relevant OEM approval. The Castrol Technical Team are regularly asked;

- 1) Do 'Filled for Life' oils really last the life of the vehicle? and
- 2) Should I change a 'Filled for Life' oil at the next service?

DO 'FILLED FOR LIFE' OILS REALLY LAST THE LIFE OF THE VEHICLE?

'Filled for Life' may genuinely mean an oil never needs to be changed. However, this is largely determined by the conditions under which the vehicle is driven. If the vehicle is driven under "normal" driving conditions, it is possible that the driveline fluids will not need to be replaced. This is achievable because certain driveline components, such as transmission oils, do not have to deal with combustion by products like engine oils do. The reduction in the level of contaminants and the use of high quality synthetic base oils makes driveline components suitable for longer service intervals. Under abnormal driving conditions, such as towing and high load applications, the oil temperature is usually higher and for longer periods. Under these conditions it is good practice to recommend an oil change at half the recommended service interval. Call the Castrol technical team for advice if unsure.



Automatic transmission reveal. Components such as these can be protected using an OEM approved driveline lubricant.

Additional limitations exist where a vehicle is driven on dusty roads, sand or are submersed in water (i.e. 4WD vehicles). Under these driving conditions, regular maintenance is **highly** recommended.

SHOULD I CHANGE A 'FILLED FOR LIFE' OIL AT THE NEXT SERVICE?

Some people are very passionate about their vehicles and look to change the car's fluids, including those that are filled for life, at more regular intervals than those recommended. Provided the approved lubricants are used to replace these fluids there should be no impact on warranty.

More regular servicing may appear to be excessive but it may also assist with improved durability. This is critical where the vehicle is driven in tough conditions and where a vehicle encounters the harsh Australian conditions. Regular maintenance removes the risk and is the key to reliable performance.

For further advice, please contact your car manufacturer or the Castrol technical team for assistance.

AUTOMATIC TRANSMISSION FLUIDS



ATF DEX III

REPLACES TQ-DIII, TRANSMAX M AND ATF DEX II

For car applications.

An automatic transmission and power steering fluid for use in GM automatic transmissions pre 2005 and in many automatic transmissions where DEXRON® (II or III) or MERCON® performance is required. It is also suitable for many earlier model Japanese vehicles where DEXRON® type fluids are recommended. It is recommended for other transmissions where DEXRON® and DEXRON® II fluids are specified except Mercedes-Benz, ZF, BMW, Voith and Renk.

FEATURES & BENEFITS

- Enhanced friction durability prolongs transmission life and promotes smooth shifting
- Increased resistance to oil oxidation and degradation
- Increased clutch band and clutch pack capacity
- Improved protection of copper and bronze components.

SPECIFICATION/TECHNICAL DATA

- Dexron® III H, IID and II
- Ford MERCON®

Pack Size	6 x 1L	3 x 4L	20L	60L	205L
Item Code	3381100	3381101	3371179	3371178	3371177
Barcode	9310084022203	9310084022210	9310084022104	9310084022111	9310084022128
Tun Code	19310084022200	19310084022217			



ATF HEAVY DUTY

REPLACES TQ-DIII, TRANSMAX M AND ATF DEX II

For car and commercial vehicle applications.

An automatic transmission fluid specifically designed to meet the requirements of Volvo Trucks 97341, Allison TES 389, superseded General Motors DEXRON® III H, Ford MERCON® and Allison C4 specifications. Suitable for use in GM automatic transmissions pre 2005 and in many automatic transmissions where DEXRON® (II or III) or Mercon performance is required. It is also suitable for many earlier model Japanese vehicles where DEXRON® type fluids are recommended. It is recommended for other transmissions where DEXRON® and DEXRON® II fluids are specified except Mercedes-Benz, ZF, BMW, Voith and Renk.

FEATURES & BENEFITS

- Enhanced friction durability prolongs transmission life and promotes smooth shifting
- Increased resistance to oil oxidation and degradation
- Increased clutch band and clutch pack capacity
- Improved protection of copper and bronze components.

SPECIFICATION/TECHNICAL DATA

- Volvo 97341
- Allison TES 389, (C4, C3 superseded)
- DEXRON® III H, IID and II
- Ford MERCON®

Pack Size	20L	60L	205L
Item Code	3377654	3377656	3377655
Barcode	9310084020070	9310084022135	9310084022142

AUTOMATIC TRANSMISSION FLUIDS



POWER STEERING FLUID

Mineral oil based fluid suitable for most power steering systems including:

- Dexron® II: Dexron® III
- Ford M2C 138 CJ
- Ford Mercon
- Type A, Suffix A
- Ford M2C 166H
- Ford M2C-33 F or G
- SAE 10W engine oil: e.g., API SF, SG, SG, CC, CD
- SAE 10W-20 engine oil
- ISO 32 or 46 hydraulic oil
- Mitsubishi Power Steering Fluid

FEATURES & BENEFITS

- Multifunctional product with a wide range of specifications
- May be used as an ISO 32, ISO 46, 10W or 10W-20 hydraulic oil where rationalisation opportunities arise.

SPECIFICATION/TECHNICAL DATA

- SAE 10W-20
- Dyed Red

Pack Size	6 x 500ML
Item Code	3381662
Barcode	9310084017728
Tun Code	19310084017725



TRANSMAX OFFROAD 10W

Castrol TRANSMAX Offroad 10W is a transmission lubricant using highly refined mineral oil, designed for use in powershift transmissions, direct drive transmissions, wet disc brakes, final drives and differentials in off road machinery where Caterpillar TO-4 is required. It is approved against ZF TE ML 03C and is recommended for use in Komatsu off road machinery drivetrain and hydraulics.

FEATURES & BENEFITS

- Good oxidation stability maintains high temperature performance and transmission cleanliness during service life
- Stable friction characteristics eliminate slippage and reduce brake noise
- Excellent friction performance with a wide range of friction materials ensures smooth positive changes and enhanced friction material durability
- Improved wear performance extends component life.

SPECIFICATION/TECHNICAL DATA

- Approved - ZF TE-ML 03C
- Meets - CAT TO-4
- Recommended for use in Komatsu Equipment
- Transmax Offroad 10W is registered under the following ZF approval numbers: ZF004914

Pack Size	20L	205L	1000L	Bulk
Item Code	3427753	3427754	3427751	3427756
Barcode	9310084032974	9310084032981	9310084032950	



AUTOMATIC TRANSMISSION FLUIDS



TRANSMAX OFFROAD 30

Castrol TRANSMAX Offroad 30 is a transmission lubricant using highly refined mineral oil, designed for use in powershift transmissions, direct drive transmissions, wet disc brakes, final drives and differentials in off road machinery where Caterpillar TO-4 is required.

FEATURES & BENEFITS

- Excellent oxidation stability maintains high temperature performance and transmission cleanliness during service life
- Stable friction characteristics eliminate slippage and reduce brake noise
- Excellent friction performance with a wide range of friction materials ensures smooth positive changes and enhanced friction material durability
- Improved wear performance extends component life.

SPECIFICATION/TECHNICAL DATA

- ZF TE-ML 03C, 07F
- Meets CAT TO-4
- Recommended for use in Komatsu Equipment
- Recommended for use where Allison C4 is required
- Transmax Offroad 30 is registered under the following ZF approval numbers: ZF004897

Pack Size	20L	205L	1000L	Bulk
Item Code	3427810	3427811	3427809	3426466
Barcode	9310084033018	9310084033025	9310084032998	



TRANSMAX OFFROAD 50

Castrol TRANSMAX Offroad 50 is a transmission lubricant using highly refined mineral oil, designed for use in powershift transmissions, direct drive transmissions, wet disc brakes, final drives and differentials in off road machinery where Caterpillar TO-4 is required, and recommended for use in Komatsu off-road machinery drivetrain and hydraulics. It is also suited to severe operating conditions such as mining.

FEATURES & BENEFITS

- Excellent oxidation stability maintains high temperature performance and transmission cleanliness during service life
- Stable friction characteristics eliminate slippage and reduce brake noise
- Excellent friction performance with a wide range of friction materials ensures smooth positive changes and enhanced friction material durability
- Improved wear performance extends component life
- Suitable for mining and off-highway applications.

SPECIFICATION/TECHNICAL DATA

- Meets CAT TO-4
- Recommended for use in Komatsu Equipment

Pack Size	20L	205L	1000L	Bulk
Item Code	3427644	3427645	3427642	3372919
Barcode	9310084033056	9310084033063	9310084033032	



TRANSMAX OFFROAD 60

Castrol Transmax Offroad 60 is a transmission lubricant using highly refined mineral oil, designed for use in powershift transmissions, direct drive transmissions, wet disc brakes, final drives and differentials in off road machinery. It is also suited to severe operating conditions such as mining.

FEATURES & BENEFITS

- Excellent oxidation stability maintains high temperature performance and transmission cleanliness during service life
- Stable friction characteristics eliminate slippage and reduce brake noise
- Excellent friction performance with a wide range of friction materials ensures smooth positive changes and enhanced friction material durability
- Improved wear performance extends component life
- Suitable for mining and off highway applications.

SPECIFICATION/TECHNICAL DATA

- Suitable for use where: CAT TO-4 is required

Pack Size	205L	1000L	Bulk
Item Code	3427669	3427667	3427671
Barcode	9310084033094	9310084033070	



TRANSMAX CVT

Fully synthetic fluid recommended for use in push belt continuous variable transmissions (CVT) of most Japanese passenger cars.

FEATURES & BENEFITS

- Exceptional steel on steel friction durability maintains transmission performance
- Good gear wear protection prolongs the performance and life of the transmission
- High shear stability and enhanced antifoaming and air release characteristics maintain effective lubrication.

SPECIFICATION/TECHNICAL DATA

- For most Japanese cars with CVT
- Also Hyundai, Kia, Chrysler, Mini, Ford, Mercedes Benz

Pack Size	20L
Item Code	3421212
Barcode	9310084031410

* Refer to the PDS for the full list of specifications



TRANSMAX DEXRON®-VI MERCON® LV

SUPERSEDES TQ DEXRON VI/TRANSMAX DEX VI

Technologically advanced, low viscosity formulation specially designed to deliver and maximum fuel efficiency for modern automatic transmissions. It is blended with premium base stocks, a balanced additive package and is fully approved by GM for use in all their passenger car automatic transmissions and by Ford for use in their vehicles requiring the latest ATF specification.

FEATURES & BENEFITS

- OEM approved and licensed by Ford (MERCON®LV) and GM (DEXRON®-VI)
- Low viscosity formula for maximum fuel efficiency in modern automatic transmissions
- Enhanced friction durability for smooth transmission performance
- Superior high temperature protection to effectively resist oxidation
- Unsurpassed protection against copper corrosion.

SPECIFICATION/TECHNICAL DATA

- Dexron®-VI
- MERCON® LV
- JASO 1A-LV

Pack Size	3 x 4L	20L	205L
Item Code	3381017	3381015	3381016
Barcode	9310084022173	9310084022180	93100840221
Tun Code	19310084022170		



TRANSMAX DUAL

Full synthetic transmission fluid developed for the latest Dual Clutch transmission technology.

FEATURES & BENEFITS

- Excellent synchroniser and clutch performance due to balanced frictional characteristics
- Excellent thermal and oxidation stability
- Exceptional cold flow properties
- Operating temperature reduction through reduced friction
- Very good extreme pressure (EP) anti-pitting behaviour
- High shear resistance – constant viscosity during oil life
- Good seal compatibility.

SPECIFICATION/TECHNICAL DATA

- Meets Ford WSS-M2C-936-A (Dual Clutch), VW G 052 529 (Audi 6 speed only), Volvo (1161838&9), Chrysler (Europe), Mitsubishi
- Castrol's recommendation for VW, Seat, Skoda 6-speed DSG Transmission (DQ250)

Pack Size	20L
Item Code	3380380
Barcode	9310084022050



TRANSMAX MERCON® V

REPLACES CASTROL TQ-MV

An automatic transmission fluid specifically designed to provide extended protection for the transmission of the latest Ford 5 speed transmission requiring a MERCON® V specification. May be used in power steering for the majority of cars, light commercial vehicles and tractors except where specialist fluids are recommended.

FEATURES & BENEFITS

- Outstanding anti-wear protection for reduced wear on gears, bushes and bearings
- Increased resistance to oil oxidation and degradation
- Excellent high temperature stability and performance
- Exceptional low temperature fluidity for smoother winter cold-start shifts, improved performance on vehicles operated in 'snow' country
- Friction stability properties.

SPECIFICATION/TECHNICAL DATA

- Ford MERCON® V

Pack Size	20L
Item Code	3381057
Barcode	9310084022227

TRANSMAX MULTIVEHICLE

REPLACES TRANSMAX E

Premium full synthetic automatic transmission fluid designed for use in most passenger cars and light commercial vehicles. Designed to satisfy the friction requirements of vehicles fitted with damper or slipping torque converter clutches, as widely used in Japanese and Korean vehicles.

FEATURES & BENEFITS

- Outstanding slipping torque converter clutch friction durability for maximum fuel efficiency and shudder control performance – exceeds genuine oil performance
- Exceptional high temperature protection to effectively resist fluid oxidation that helps ensure excellent transmission cleanliness and durability
- Enhanced friction durability for smooth transmission shift performance
- Excellent shear stability helps ensure consistent high temperature performance
- Superb low temperature fluidity for cold weather shifting
- Excellent wear and corrosion performance to help ensure long transmission life
- High torque capacity ensures strong performance in severe applications like towing and off road applications.

SPECIFICATION/TECHNICAL DATA

- JASO 1A
- Toyota Type T, T-II, T-III, T-IV
- Nissan Matic Fluid C, D, J
- Mitsubishi Diamond SP-II, IIM, SP-III
- Suzuki ATF Oil and ATF Oil Special
- Mazda ATF D-III and ATF M-3
- Subaru ATF
- Hyundai where SPIII is specified
- Kia where SPIII is specified
- GM Daewoo
- Aisin Warner JWS 3309
- JATCO Automatic Transmission
- Dexron® III
- Honda ATF - Z-1 (not for use in CVTs)

Pack Size	6 x 1L	3 x 4L	20L	60L	205L
Item Code	3371182	3371183	3371184	3371185	3371186
Barcode	9310084017889	9310084016578	9310084020094	9310084020223	9310084020186
Tun Code	19310084017886	19310084016575			



TRANSMAX TQ95

REPLACES TQ95

Specifically developed for 4 speed, electronically controlled transmissions, as used in Ford Falcon and Fairlane cars. Formulated to provide smoother, quieter and more consistent gear changes.

FEATURES & BENEFITS

- Unique friction characteristics ensure smooth gear shifts and prevent squawk during gear change
- Enhanced wear control to ensure a long gear set life
- High shear stability to ensure consistent performance throughout the life of the fluid
- Excellent transmission cleanliness characteristics ensuring trouble free operation
- Friction characteristics tailored to suit the BTR Engineering 4-speed electronic control transmissions.

SPECIFICATION/TECHNICAL DATA

- BTRA/DSI 5M-44 (Factory Fill)
5M-52 (Service Fill)

Pack Size	6 x 1L	3 x 4L	20L	205L
Item Code	3371505	3371506	3371507	3371509
Barcode	9310084017766	9310084017773	9310084020315	9310084020452
Tun Code	19310084017763	19310084017770		



TRANSMAX Z

Fully synthetic DEXRON® III type ATF with proven outstanding performance in high temperature and heavy duty applications. Excellent for competition use, towing or high performance usage. Suitable for use where DEXRON® fluids are recommended, except where Castrol TRANSMAX Dex VI is specified.

FEATURES & BENEFITS

- Excellent resistance to oxidation thus assisting in prolonging the life of the lubricant
- Extended oil drain potential resulting in lower operating costs
- Enhanced protection against deposits to extend transmission life
- Temperature reduction in severe conditions improves transmission and oil service life, and assists in reducing fuel consumption and emissions
- Optimised frictional characteristics to provide smoother gear changes and better protection against wear
- Outstanding cold flow properties materially assisting in reducing wear at start-up
- Proven performance in drag racing (e.g. Lenco drag racing transmission in Pro Stock)
- Low foam – stable gear shift performance when transmission is hot
- Compatible with mineral/conventional automatic transmission fluids
- Better control of deposits – cleaner transmission – longer transmission life.

SPECIFICATION/TECHNICAL DATA

- MB-Approval: 236.81
- MAN 339 Type V2, Z3
- Voith 55.6336.XX
- VW 501.60
- ZF-TE ML 04D, 11B, 14C, 16M, 20C, 25C
- Recommended by Nissan where Matic Fluid D is required
- MAN 339 Type Z12
- JASO 1A

Pack Size	3 x 4L	20L	205L
Item Code	4101037	3337266	4101035
Barcode	9310084016561	9310084050022	9310084050077
Tun Code	19310084016568		

TRANSMAX TYPE F

Castrol TRANSMAX Type F is designed for use in older ford vehicles (pre 1982) requiring the unique friction characteristics of a type F transmission fluid.

NB: Do not use in transmissions where a Mercon or Dexron type fluid is required.

FEATURES & BENEFITS

- Excellent lubrication to gears and bushings allowing optimised transmission operation
- Good thermal and oxidation stability prolonging component life.

SPECIFICATION/TECHNICAL DATA

- Ford ESW-M2C33-F / ESP-M2C33-G

Pack Size	1L	4L	20L
Item Code	3371518	3371519	3371520
Barcode	9310084017865	9310084016585	931008421404
Tun Code	19310084017862	19310084016582	



AUTOMATIC TRANSMISSION FLUIDS



TRANSYND

Premium synthetic universal powershift and automatic transmission fluid. Extends oil change guidelines for Allison transmissions to 160,000 km/48 months for general duty and, 80,000km/24 months for severe duty.

Product sold exclusively through Allison Transmission Distributor Network, i.e. Heavy Automatics, Penske Power Systems & Transdiesel in Australia.

FEATURES & BENEFITS

- Premium synthetic technology
- Extended oil change intervals offering reduced downtime and more on-road operating time
- Allison approval for extended drain.

SPECIFICATION/TECHNICAL DATA

- Allison TES-295, TES-468
- ZF TE-ML, 04D, 14C, 16M, 03M, 16S, 20C, 25C
- MB 236.91
- MB 238.22
- Voith H55.6336

Pack Size	20L	208L
Item Code	4101040	3354622
Barcode	9310084003714	9310084007545

TRANSYND RD

Premium synthetic universal powershift and automatic transmission fluid. For 'rigorous duty' applications where extended drain intervals and reduced life cycle costs are designed in Allison 5000, 6000, 8000 and 9000 off-highway series transmissions.

Product sold exclusively through Allison Transmission Distributor Network, i.e. Heavy Automatics, Penske Power Systems & Transdiesel in Australia.

FEATURES & BENEFITS

- Premium synthetic technology
- Extended drain and filter change intervals
- Provides superior high and low temperature performance for all year round use in various geographical locations.

SPECIFICATION/TECHNICAL DATA

- Allison TES-353 (AN-032001)
- Allison C4-31554001

Pack Size	208L
Item Code	3370892
Barcode	9310084025105



DIFFERENTIALS AND AXLE FLUIDS



AXLE AP 85W-140

REPLACES EPX 85W-140

High quality, mineral oil based, multipurpose gear oil for use in most passenger car, light and heavy duty truck conventional differentials, final drives, non-synchronised manual transmissions, steering gears and other applications where API GL-5, API MT-1 or SAE J2360 performance is required.

It is not recommended for those manual transmission manufacturers who prefer non EP (Extreme Pressure) additive containing oils.

FEATURES & BENEFITS

- Formulated to be particularly stable under high temperature operating conditions and resist degradation which can lead to deposits and reduced oil seal and overall equipment life
- Provides high oil film and wear protection which ensures components are protected even under severe operating conditions and thus prolongs equipment life.

SPECIFICATION/TECHNICAL DATA

- API GL-5, MT-1
- SAE J2360
- Mack GO-J
- ArvinMeritor76-A

Pack Size	20L	60L	205L	1000L	Bulk
Item Code	3372286	3372287	3370024	3372285	3370023
Barcode	9310084018237	9310084018220	9310084017544	9310084018213	9310084022357



AXLE EPX 85W-140

REPLACES EPX 85W-140

Multipurpose axle oil which may be used in differentials and other applications in passenger car and commercial vehicles where API GL-5 is required. Approved by ZF for use in a range of commercial applications.

FEATURES & BENEFITS

- Offers the benefits of multiplicity of applications across a wide range of automotive, heavy commercial, light commercial, 4WD's and selected earthmoving equipment where premium mineral oil technology can be employed
- Provides high oil film and wear protection which ensures components are protected even under severe operating conditions and thus prolongs equipment life.

SPECIFICATION/TECHNICAL DATA

- API GL-5
- MAN 342 Type M1
- ZF TE-ML 16D, 21A, 05A, 12E

Pack Size	3 X 4L
Item Code	3378035
Barcode	9310084020025
Tun Code	19310084020022



DIFFERENTIALS AND AXLE FLUIDS



AXLE EPX 80W-90

REPLACES EPX 80W-90

Multipurpose gearbox, steering gear and differential oil for passenger cars, light trucks, farm tractors and earthmoving equipment.

FEATURES & BENEFITS

- Offers the benefits of multiplicity of applications across a wide range of automotive, heavy commercial, light commercial, 4WD's and selected earthmoving equipment where premium mineral oil technology can be employed
- Provides high oil film and wear protection which ensures components are protected even under severe operating conditions and thus prolongs equipment life.

SPECIFICATION/TECHNICAL DATA

- API GL-5
- MAN 342 Type M2
- ZF TE-ML 05A, 12E, 16B, 17B, 19B, 21A
- Borg Warner 5M-26
- GMH HN 181, HN 1046
- Ford ESW-M2C-108A

Pack Size	6 x 1L	3 X 4L	20L	60L	205L	1000L
Item Code	3375404	3375405	3375406	3375407	3375408	3375409
Barcode	9310084020001	9310084020018	9310084022364	9310084022388	9310084022371	9310084022395
Tun Code	19310084020008	19310084020015				



AXLE GO-J 90

REPLACES GO-J 90

Specially formulated extreme pressure gear oil for Mack differentials, transmissions and gear cases. It is also suitable for use in other truck, passenger car, commercial vehicle and earthmoving applications where SAE 85W-90 or SAE 90, API GL-5 is specified.

FEATURES & BENEFITS

- High oxidation stability provides longer oil life enabling longer drain intervals
- Excellent EP performance protects highly loaded gears lengthening equipment life especially under heavily loaded conditions
- High thermal stability ensures no performance loss at high temperatures increasing drain intervals and reducing sludge and gear deposits
- Excellent seal compatibility lengthens seal life and reduces oil usage and maintenance cost
- Mack service fill, quality acceptance.

SPECIFICATION/TECHNICAL DATA

- API GL-5
- Mack GO-J
- For Mack Transmissions differentials and transfer cases
- Ford Falcon ute Non LSD Beam axles
- Passes performance requirements of SAE J2360

Pack Size	20L	205L
Item Code	3372911	3372912
Barcode	9310084022401	9310084022418



DIFFERENTIALS AND AXLE FLUIDS



AXLE LIMITED SLIP 85W-140

REPLACES LSX 85W-140

Mineral based gear oil for use in limited differentials in cars and commercial vehicles where API GL-5 performance is required; also suitable for use in conventional differentials.

May be recommended for use in differentials, gear boxes, and steering gears of many cars, trucks, farm machinery, earthmoving and excavating machinery requiring a hypoid lubricant.

It is particularly recommended for conventional hypoid differentials where the differential is operating with very high loads. The higher level of extreme pressure and limited slip additives give added wear protection in both conventional and limited slip hypoid differentials.

FEATURES & BENEFITS

- Very good anti-wear and load carrying performance even under high load conditions prolongs component life
- High film strength – providing protection against wear
- Thermally stable additive chemistry – less sludge and cleaner gears
- Anti-weld – high tooth loadings can be tolerated.

SPECIFICATION/TECHNICAL DATA

- API Service Classification GL-5
- SAE J306 Viscosity Classification 85W-140
- Limited slip applications

Pack Size	3 x 4L	20L	60L	205L	1000L
Item Code	3377666	3372763	3372762	3372761	3372760
Barcode	9310084020124	9310084022432	9310084022449	9310084022425	9310084022456
Tun Code	19310084020121				



AXLE LIMITED SLIP 90

REPLACES CASTROL LSX 90

Mineral based gear oil for use in limited slip differentials where API GL-5 performance is required.

Primarily recommended for use in limited slip differentials fitted to a wide range of Australian, America, Japanese, British and European vehicles.

FEATURES & BENEFITS

- Optimised and stable friction characteristics for effective operation of limited slip differentials throughout the drain interval
- Friction modified – providing desired frictional characteristics required by the clutches in the limited slip differential
- Very good anti-wear and load carrying performance even under high load conditions prolongs component life
- High film strength – providing protection against wear
- Thermally stable additive chemistry – less sludge and cleaner gears
- Anti-weld – high tooth loadings can be tolerated.

SPECIFICATION/TECHNICAL DATA

- API Service Classification GL-5
- SAE J306 Viscosity Classification 90
- Limited slip applications

Pack Size	6 x 1L	3 x 4L	20L	60L	205L	1000L
Item Code	3376742	3376743	3376744	3376745	3376746	3379303
Barcode	9310084020131	9310084020148	9310084020032	9310084022463	9310084020049	9310084022470
Tun Code	19310084020138	19310084020145				



DIFFERENTIALS AND AXLE FLUIDS



HSA 460

High quality, extreme performance mineral gear oil for heavy duty gearbox and rear axle operations where slow operational speeds and high loads necessitate the use of an API GL-5 gear lubricant with a higher viscosity than traditional 85W-140. Suited to vehicles in various off-highway applications such as mining and quarry haulage. Suited where API GL-5 SAE 140 gear oils are recommended in low speed operations.

FEATURES & BENEFITS

- Product application solution where conventional API GL-5 automotive gear oil lubricants are not providing satisfactory performance
- Higher viscosity suits high load, low speed operations found widely in mining applications
- Excellent thermal and oxidation stability for longer component and oil life
- Extreme pressure additives allow for high load carrying ability, effective under arduous conditions
- Clean Gear technology.

SPECIFICATION/TECHNICAL DATA

- ISO 460
- SAE 85W-140
- API GL-5

Pack Size	205L	1000L
Item Code	3335113	3335114
Barcode	9310084007552	9310084007286

SYNTRAX 80W-140

REPLACES SAF-XA

Fully synthetic limited slip differential oil primarily intended for use in rear axles of Ford Falcon and Holden Commodore high performance models. It contains the preferred limited slip additive and at the maximum concentration recommended by additive supplier.

Caution: Using Castrol SYNTRAX 80W-140 in synchronised manual transmissions may result in loss of synchroniser performance. Contact Castrol for an alternative recommendation for such applications. Castrol SYNTRAX 80W-140 is **NOT** compatible with glycol based gear oils. Castrol SYNTRAX 80W-140 contains the maximum recommended treat of Sturaco 7098 for limited slip diff performance. No further Sturaco 7098 should be added.

FEATURES & BENEFITS

- Improved oxidation stability for longer oil service life
- Improved deposit control at high temperatures for cleaner axle internals
- Contains preferred limited slip additive to allow good LSD noise control
- Excellent wear control for long component life
- Proven components used in formulation to ensure seal compatibility
- Sheer stable formulation for long term bearing protection.

SPECIFICATION/TECHNICAL DATA

- API GL-5
- BTRA 5M-48
- Suitable for use in Nissan 4WD Differentials

Pack Size	6 X 1L	20L
Item Code	3378345	3375576
Barcode	9310084020254	9310084022852
Tun Code	19310084020251	



DIFFERENTIALS AND AXLE FLUIDS



SYNTRAX E 80W-140

Fully synthetic rear axle oil for arduous service in rear axle (differential) and power dividers.

Recommended for use in Eaton and Rockwell rear axles operating where long oil drain periods and extended warranty conditions apply. Also recommended for use under severe conditions, particularly in B-double or road train applications.

FEATURES & BENEFITS

- Thermally stable – provides protection at extremes of very low/high operating temperatures
- Improved performance over conventional mineral API GL-5 85W-140 lubricants
- Reduced wear, increased gear component life
- Approved for extended warranty programmes for longer rear axle drive life.

SPECIFICATION/TECHNICAL DATA

- SAE 80W-140
- API GL-5
- Eaton/Dana extended drain and warranty programme
- Dana SHAES 426
- SAE J2360
- Mack Go-J

Pack Size	20L
Item Code	4100924
Barcode	9310084086427

TRANSMAX LIMITED SLIP LL 75W-140

REPLACES SYNTRAX LIMITED SLIP 75W-140

Castrol Transmax Limited Slip LL 75W-140, formulated with Smooth Drive Technology™, is a full synthetic hypoid gear oil formulated for use in both conventional and limited slip differentials. It has demonstrated outstanding performance in competition vehicles employing limited slip differentials. It is approved for use in the high-performance BMW-M Series and Mercedes Benz AMG limited slip differentials.

FEATURES & BENEFITS

- Reduces noise and vibrations in the axle
- Excellent shear stability maintaining performance over the life of the lubricant
- Exceptional stability at high temperatures extending the life of lubricant and axle
- Effective wear resistance ensures protection under high loads and prevents damage to components
- Very good low-temperature fluidity properties increase protection at start-up.

SPECIFICATION/TECHNICAL DATA

- API GL-5
- MB-Approval 235.61
- ZFTE-ML 05C, 12D, 16G, 18, 21C
- BMW LS Rear Axles
- Recommended for Nissan GTR limited slip axles
* SAE Class according to J306 pre-1998
- ZF approval number: ZF002141

Pack Size	20L
Item Code	3429313
Barcode	9310084033759





DIFFERENTIALS AND AXLE FLUIDS

SYNTRAX LONG LIFE 75W-90

REPLACES SAF-XO

Full synthetic multigrade final drive lubricant. It is Castrol's prime recommendation for final drives in heavy commercial vehicles. It is designed to provide superior protection at both high and low operating temperatures where conventional mineral oils prove unsatisfactory.

FEATURES & BENEFITS

- Fuel savings and reduced emissions due to balanced viscometrics and frictional characteristics
- Superior pumpability and protection of the complete differential at low temperatures
- Excellent thermal and oxidative stability provides final drive and differential cleanliness which permits extended drain and decreased servicing
- Optimal anti-wear, extreme pressure performance at all ambient temperatures and load conditions
- Excellent temperature reduction and shear stability enhance final drive performance and extends component life.

SPECIFICATION/TECHNICAL DATA

- API GL-5
- BMW Non Limited Slip Rear Axle
- Scania STO:1
- MAN 342 S1
- ZF TE-ML 05A, 12B, 17B, 19C, 21A

Pack Size	6 X 1L	20L	208L
Item Code	3377689	3377688	3370981
Barcode	9310084020261	9310084022883	
Tun Code	19310084020268		



TRANSMAX AXLE LONG LIFE 75W-140

REPLACES SYNTRAX LONG LIFE 75W-140

Castrol Transmax Axle Long Life 75W-140 is a full synthetic final drive lubricant that is suitable for use in axles and final drives in commercial vehicles and passenger cars where API GL-5 performance is required.

Syntrax Long Life 75W-140 is included in the Scania high-performance product list and is approved against Scania STO 2:0A.

FEATURES & BENEFITS

- Excellent anti-wear and extreme pressure performance at all ambient temperatures and load conditions provides superior protection, longer component life and reduced repair costs
- Excellent cold flow properties reduce torque loss and increase fuel efficiency
- Improved protection at start-up and in cold conditions
- Excellent thermal and oxidative stability combined with superb temperature reduction protects against pitting
- Excellent shear stability permitting longer oil and component life
- Extended drain reduces repair costs.

SPECIFICATION/TECHNICAL DATA

- API GL-5
- Scania STO 2:0A

Pack Size	20L	208L
Item Code	3429998	3429997
Barcode	9310084033872	9310084033889



DIFFERENTIALS AND AXLE FLUIDS



SYNTRAX UNIVERSAL PLUS 75W-90

REPLACES SYNTRAX 75W-90

Full synthetic, multipurpose manual transmission and final drive lubricant.

May be used in synchronized manual transmissions and final drives/differentials of a wide range of vehicles (commercial vehicle, construction equipment, passenger cars) where API GL-4 or GL-5 are required. The product also carries a number of European HD approvals.

FEATURES & BENEFITS

- A single product for transmission and final drive
- Excellent low temperature fluidity provides improved cold shift quality in cold conditions and fuel efficiency
- Superior high temperature stability and excellent wear protection even in the most arduous conditions prolongs equipment life and allows for extended oil drain intervals
- Full compatibility with conventional mineral oils and seals allows this product to be used in a wide range of applications.

SPECIFICATION/TECHNICAL DATA

- API GL-5, GL-4 & MT-1
- SAE 75W-90
- MAN 341 Z2, MAN 342 SA
- Scania STO 1:0
- MB Approval 235.8
- ZF TE-ML 02B. 05A, 12L, 12N, 16F, 17B, 19C, 21A
- SAE J2360
- Eaton Approved for 300,000km's drain
- Volvo Transmission Oil 97312

Pack Size	6 X 1L	20L	205L
Item Code	3377738	3373869	3373870
Barcode	9310084020346	9310084020056	9310084022890
Tun Code	19310084020343		



DYNADRIE 80W-90

Synthetically fortified manual transmission and final drive lubricant. For use in highly loaded final drives and differentials of commercial vehicles in trucks, buses, vans and 4WD's as well as synchronised manual transmissions requiring API GL-4 or GL-5.

FEATURES & BENEFITS

- Significant extension in oil drain interval compared to standard API 85W-140 EP gear oils
- Reduced operating temperatures and extending oil and component life in Rockwell-Meritor axles
- One product for both manual and final drive transmissions offers rationalisations and reduced stockholding and service filling errors
- Excellent transmission cleanliness
- Reduced wear
- Extended drain
- Excellent transmission performance.

SPECIFICATION/TECHNICAL DATA

- SAE 80W-90; API GL-4, API GL-5
- Proven field performance in Australia
- Higher viscosity than conventional 80W-90 grades
- SAE J2360

Pack Size	20L	205L	1000L	Bulk
Item Code	3334801	3334800	3341848	3336160
Barcode	9310084006760	9310084006777	9310084015991	



MANUAL TRANSMISSION FLUIDS



MANUAL EP 80W

REPLACES EP 80W

A mineral based fluid suitable for use in applications where API GL-4 performance is required.

Approved for use in MB transmissions used in light commercial vehicles and trucks and also approved for use in ZF manual transmissions.

FEATURES & BENEFITS

- Wide range of European OEM approvals
- High thermal stability protects against deposit formation and oil thickening maintaining the life and performance of lubricant and transmission
- Good antiwear and load carrying characteristics extend the life of components
- Helps maintain internal transmission cleanliness
- Helps ensure a continuous lubricating film and reduced foam loss through breathers
- Specially designed to provide long synchroniser life under high frequency gear change conditions.

SPECIFICATION/TECHNICAL DATA

- API GL-4
- MB-Approval 235.1

Pack Size	20L	205L
Item Code	3373617	3373618
Barcode	9310084022555	9310084022562

MANUAL VMX 80W

REPLACES VMX 80

A manual transmission fluid of advanced design especially developed to provide easier gear changes over a wide temperature range.

It is particularly versatile in cold weather as it reduces shift effort at start-up, as well as controlling transmission noise and idle rattle at operating temperatures.

It should be used in manual transmissions of most car and light commercial vehicles (LCV's) requiring GL-4 performance, where improved low temperature shift performance is required.

FEATURES & BENEFITS

- Quieter transmission operation and easier low temperature gear shifting improves driving experience
- Improved gear tooth and bearing durability reduces the risk of breakdown and extended component life
- Effective lubrication over a wide temperature range
- It can be used as a low drag gearbox oil in 2-stroke motorcycles with separate gearboxes.

SPECIFICATION/TECHNICAL DATA

- SAE 80W viscosity – (equivalent to 10W-30)
- API Service Classification GL-4

Pack Size	6 X 1L	3 X 4L	20L	60L	205L
Item Code	3377725	3377724	3375547	3375549	3375548
Barcode	9310084020353	9310084020360	9310084022579	9310084022593	9310084022586
Tun Code	19310084020350	19310084020367			



MANUAL TRANSMISSION FLUIDS



MANUAL VMX-M 75W-85

REPLACES VMX-M 75W-85

Manual transmission fluid of advanced design developed to suit Mitsubishi manual transmission and transaxle factory and service fill requirements.

It is particularly versatile in cold weather. It reduces shift effort at start-up, as well as controlling transmission noise and idle rattle at operating temperatures.

It is Castrol's prime recommendation for all Mitsubishi manual transmissions and transaxles in passenger cars and light commercial vehicles (LCV's) e.g. Canter, Pajero, Triton, Starion, Colt, Lancer, etc.

FEATURES & BENEFITS

- Quieter transmission operation
- Easier low temperature shifting – driver comfort
- High shear stability for excellent film strength and protection during the life of the lubricant
- Improved gear tooth and bearing durability
- Good thermal stability ensures good performance at sustained high temperatures.

SPECIFICATION/TECHNICAL DATA

- Mitsubishi TGO-2
- API Service Classification GL-4
- SAE 75W-85W (equivalent to 10W-30)

Pack Size	3 X 4L	20L	60L
Item Code	3377682	3373887	3373888
Barcode	9310084020377	9310084022609	9310084022616
Tun Code	19310084020374		



TRANSMAX MANUAL E LONG LIFE 40

Synthetic lubricant designed for fuel efficiency, extended drain intervals and severe service in heavy duty commercial vehicle transmissions which require a non-EP transmission lubricant. It is specially formulated to protect higher torque transmissions coupled with increased horsepower engines.

It is approved for use in Eaton transmissions such as Ultrashift Plus, Fuller Advantage, FR and RT Series.

FEATURES & BENEFITS

- Proven to provide better fuel economy versus PS 164 type transmission fluids
- High performance and extended drain capabilities in transmissions
- Excellent thermal and oxidation stability which resists deposit and sludge formation.

SPECIFICATION/TECHNICAL DATA

- Eaton PS 386 approved

Pack Size	20L	205L
Item Code	3416169	3415488
Barcode	9310084030352	9310084030260



MANUAL TRANSMISSION FLUIDS



AVAILABLE Q1 2022

TRANSMAX LIMITED SLIP 75W-85

Castrol Transmax Limited Slip 75W-85 is a full synthetic high-performance SAE 75W-85 gear lubricant, specifically developed for highly loaded limited-slip axles of modern vehicles. It is also suitable for use in axles and non synchronised manual gearboxes, where API GL-5 performance level is recommended by the manufacturers.

FEATURES & BENEFITS

- Excellent anti-wear and extreme pressure performance at all ambient temperatures and load conditions provide better final drive protection leading to longer life and reduced repair costs
- Excellent cold flow properties reduces torque loss and increases efficiency and ensures improved protection at start up in cold conditions
- Excellent thermal and oxidative stability combined with operating temperature reduction
- Excellent shear stability permitting longer oil and component life.

SPECIFICATION/TECHNICAL DATA

- EAPI GL-5
- Suitable for use in limited slip axles

Pack Size	20L
Item Code	3430676
Barcode	9310084034343



SYNTRANS 75W-85

Full synthetic manual transmission lubricant with outstanding low temperature fluidity, oxidation stability and synchroniser performance. Eaton has approved Castrol Syntrans 75W-85 for extended service intervals in mid-range transmissions.

Also recommended for passenger car and light commercial vehicle transmissions, transaxles and transfer cases where API GL-3 or GL-4 and SAE 75W-85 or SAE 80 viscosity is specified.

It has proved to provide excellent synchroniser performance in a range of Mitsubishi passenger car and 4 Wheel drive manual transmissions. It is also effective in Holden Jackaroo and Rodeo manual transmissions for best cold shift performance and competition applications. It is also approved for Tremec TR3650 manual transmissions as found in the Ford Tickford TE, TS 50 and FPV models.

FEATURES & BENEFITS

- Excellent oxidation stability makes it suitable for high temperature and extended drain service
- Proven synchroniser performance makes gear shifting easier and transmission operation quieter
- Very fluid at low temperatures for easier cold-start gear shifting in synchronised transmissions
- Good wear and EP performance ensures component protection under high load conditions reducing downtime and service costs
- Compatible with normal mineral oil, hence no special flushing procedure is needed when changing from mineral to synthetic oil
- Long drain performance – potentially lower maintenance costs and greater vehicle availability
- Specially selected synthetic base fluids and additive system – very stable viscosity in service.

SPECIFICATION/TECHNICAL DATA

- GL-4,
- Suitable in place of:
- Volvo 97307 Transmission Oil
 - Mercedes-Benz MB 235.4
 - MAN
 - Eaton
 - On-Highway 400,000 km/3 years Road Ranger transmissions

Pack Size	6 x 1L	20L	205L
Item Code	4100914	3335813	4100911
Barcode	9310084085512	9310084085529	9310084085574
Tun Code	39310084085513		



MANUAL TRANSMISSION FLUIDS



SYNTRANS AT 75W-90

REPLACES SYNTRANS AT

Full synthetic manual transmission fluid specifically for use in Mercedes-Benz Actros vehicles.

FEATURES & BENEFITS

- Excellent synchroniser performance for improved driver comfort
- Smoother gearshift at low ambient temperatures due to reduced shifting forces
- Extended drain periods and reduced servicing
- Good seal compatibility helping to avoid oil leaks.

SPECIFICATION/TECHNICAL DATA

- API Service Classification GL-4
- SAE 75W-90
- Mercedes Benz Lubricant List page 235.11 (for Actros manual transmissions without oil coolers)

Pack Size	20L	208L
Item Code	3335680	3354568
Barcode	9310084020797	IMPORT



SYNTRANS HEAVY DUTY 75W-90

REPLACES SYNTRANS M

Fully synthetic manual transmission fluid with excellent performance for up to 400,000 km oil drains intervals in manual transmission applications. It is our prime recommendation for Volvo, Spicer, Eaton, Road Ranger and Rockwell truck transmissions, in both normal and severe duty conditions.

It is suitable for both synchronised and non-synchronised manual transmissions. It is particularly recommended for long haul interstate trucks, B-double, road train and other severe duty applications. However it may also be used in manual transmissions of cars and light commercial vehicles where API GL-4 oils are recommended.

FEATURES & BENEFITS

- Extended drain performance to lower maintenance costs and increase vehicle availability
- Excellent oxidation stability ensures suitability in high temperature and extended drain applications
- Proven synchroniser performance making gear shifting easier, and transmission operation quieter
- Easier cold start gear shifting in synchronised transmissions
- Excellent wear protection reduces wear and prolongs gear life.

SPECIFICATION/TECHNICAL DATA

- API GL-4
- Volvo Approved against Volvo 97315 for high load, high ambient conditions

Pack Size	20L	205L
Item Code	3372764	3372765
Barcode	93100840019845	9310084019838



MANUAL TRANSMISSION FLUIDS



SYNTRANS FE 75W

Fully synthetic transmission fluid recommended for most passenger car conventional manual and "dry clutch" transmissions where API GL 4 lubricants are required. It is approved for use where Ford WSS-M2C200-D2 is specified.

Suitable in most manual transmissions where an automatic transmission fluid is recommended. It has much stronger wear performance than virtually all automatic transmission fluids and also retains viscosity in service exceptionally well.

FEATURES & BENEFITS

- Low viscosity synthetic formulation offers the potential for fuel economy benefits while maintaining excellent wear protection
- Extremely good cold flow properties provides added protection on start up and improves shift quality
- Excellent frictional characteristics extends synchroniser life and improves shift comfort
- High shear stability maintains performance over the lifetime of the lubricant
- Excellent high temperature stability maintains transmission cleanliness prolonging the life of transmission and lubricant
- Excellent wear protection alternative to automatic transmission fluid in manual transmissions.

SPECIFICATION/TECHNICAL DATA

- API GL-4
- Ford WSS-M2C-200-D2

Pack Size	1L
Item Code	3375894
Barcode	9310084019715
Tun Code	19310084019712



TRANSMAX MANUAL Z LONG LIFE 75W-80

REPLACES SYNTRANS Z LONG LIFE 75W-80

Castrol Transmax Manual Z Long Life 75W-80 is a full synthetic SAE 75W-80 fluid developed specifically to meet ZF extended drain intervals requirements (540,000 km) and is approved for use in all ZF commercial manual and automated manual transmissions. It can be recommended in other manual transmissions requiring API GL-4 and is particularly suitable for severe applications where loads and temperatures are higher.

FEATURES & BENEFITS

- Excellent frictional characteristics with carbon, sinter bronze and molybdenum synchronisers provide improved shift quality and extend component life
- Temperature reduction in operation extends the life of the oil and components aiding extended drain intervals and reducing downtime and repair costs
- Provides excellent low-temperature fluidity giving improved protection and smooth gear shifts at low temperatures
- Excellent thermal and oxidative stability extends the life of transmission and lubricant extending drain intervals and reducing service needs
- Excellent wear and EP performance protects components under high loads, extending component life and reducing maintenance costs.

SPECIFICATION/TECHNICAL DATA

- API GL4
- MB-Approval 235.41
- ZF TE-ML 01E, 02E, 16P
- MAN 341 Z5
- ZF approval number: ZF004761

Pack Size	20L	208L
Item Code	3429956	3429955
Barcode	9310084033773	9310084033780



MANUAL TRANSMISSION FLUIDS



UNIVERSAL 80W-90

REPLACES MULTITRAX

Castrol Universal 80W-90 is a manual transmission and rear axle lubricant. It is Castrol's prime recommendation for all transaxles that include both helical and hypoid type gears.

Vehicles with combined transmission and hypoid differentials where Castrol Universal 80W-90 is recommended include the following:

- Alfa Romeo: Most models from 1975 onwards
- Porsche: All models except 924
- Subaru: All models from 1984 onwards
- Toyota: Most 4WD's and selected family passenger vehicles.

Castrol Universal 80W-90 is recommended in place of SAE 80W-90 GL-4 or 5 gear oil where improved cold shift is desired.

FEATURES & BENEFITS

- Excellent gearshift capability
- Quiet transmission operation – driver comfort
- Single product for transmission and final drive
- High load carrying capability ensures gears operating under high loads are protected prolonging component life.

SPECIFICATION/TECHNICAL DATA

- SAE 80W-90
- API Service Classification GL-5, GL-4

Pack Size	3 X 4L	20L	60L	205L
Item Code	3375564	3375561	3375562	3375563
Barcode	9310084020162	9310084022906	9310084022920	9310084022913
Tun Code	19310084020169			



ISSUE: **E010**
COOLANTS**TECH TALK - EXPERT TO EXPERT**CASTROL TECHNICAL HELPLINE
1300 557 998**40% OF ALL ENGINE PROBLEMS ORIGINATE WITHIN THE COOLING SYSTEM****OVERHEATING IS CONSISTENTLY RANKED AS A LEADING CAUSE OF ENGINE FAILURE OR MAJOR REPAIR****DON'T LET YOUR CUSTOMER BE ANOTHER STATISTIC!****WHAT IS A COOLANT?**

The primary job of an engine coolant is to cool. Coolants are composed of ethylene glycol (sometimes propylene glycol), purified water, performance additives and colouring dyes.

Engines generate extreme heat and without an efficient heat transfer system can quickly suffer catastrophic failure. Heat transfer is achieved by an advanced cooling system continuously circulating coolant around the engine's hot zones, absorbing heat and discharging it to the atmosphere via the radiator.

Coolants encounter very high surface temperatures, are circulated at high velocity and are exposed to a variety of different metal and non-metal components. Hence there is great potential for chemical reactions and physical damage. So the second critical function of the coolant is to protect hot metal surfaces from corrosion and all other components from degradation. To prevent engine damage and enable swift start-up, coolants must resist freezing in sub-zero temperatures, and boiling in summer heat.

CONCENTRATE OR PREMIX?

Coolants are sold in premixed, ready-to-use form or as concentrate. Concentrated coolants should never be used undiluted as heat transfer will be severely compromised. Water quality is very important for corrosion protection, only de-ionised or soft tap water should be mixed with concentrate.

COLOUR IS NOT AN INDICATOR OF COOLANT PERFORMANCE

Early antifreeze products were often dyed green to aid leak detection. Other colours now differentiate new technology coolant from the "conventional green" antifreeze. The colour may be representative of an approved or OEM genuine product or simply a coolant manufacturer's choice. There is no standardised colour system for coolants. Never select a coolant based on its colour alone.

TYPES OF COOLANT

Coolants are generally categorised by their additive technology and level of approval to OEM and other performance specifications. There are three broad classes of engine coolant technology:

1. **Conventional/Traditional** - based on older technology and less expensive inorganic additives. Relatively short life due to depletion of the additives and limited stability and protection at high temperature.
2. **OAT** - based on fully organic additives with very low depletion rate and deliver long service life. Very stable and offers superior corrosion protection at high temperatures and compatibility with all cooling system materials e.g. Castrol RADICOOOL SF.
3. **Hybrid OAT** - combination of OAT type and selected inorganic additives that provide additional protection for certain component metallurgies under severe conditions. Select OEM approvals are restricted to hybrid-OAT type technology e.g. Castrol RADICOOOL NF and Castrol RADICOOOL Si-OAT.

THE RISK OF GETTING IT WRONG

Cooling system problems are one of the leading contributors of engine failure, a victim of a "set and forget" perception. Proper coolant selection and maintenance is critical to trouble-free vehicle operation. A faulty cooling system may prevent effective warm-up of the engine, leading to poor lubrication and poor combustion control.

*Corrosion in the cooling system*

Minor cooling system corrosion generally becomes a major problem if left untreated. Problems can sometimes arise when different coolants are mixed together. This is due to certain mineral-type additives being incompatible with each other if concentrations become unbalanced, extreme cases causing formation of solid deposits and cooling system blockage. Modern OAT type coolants tend to be much more tolerant of mixing with each other, nevertheless it is safe practice to avoid mixing different coolants together, and when replacing coolant to always fully drain and flush out the cooling system first.

LATEST APPROVED COOLANT TECHNOLOGY

Industry standards define basic coolant performance. Most vehicle manufacturers build additional "layers" onto the industry standards to define higher performing coolants tailored to their engines and to enable extended warranty protection.

To qualify a coolant for approval, manufacturers must submit a sample for rigorous lab, engine and fleet tests designed by the OEM. This can take years to complete and is done at the coolant manufacturer's expense. If successful, the product is determined to fulfil all the performance and warranty requirements of the manufacturer and earns a formal OEM approval. Only advanced coolants will pass these tests. Castrol Radicool Si-OAT is one such example, carrying formal approval from MAN, Mercedes Benz, Renault and Volvo.

Coolants that claim to "meet the requirements" of an OEM standard have not passed this comprehensive testing and qualification program. This is a much weaker indicator of performance, based on the marketer's own judgement.



Castrol's range of premium performance engine coolants, Castrol Radicool, conforms to the important industry and national standards and are approved by a range of leading passenger car, truck and bus manufacturers.



RADICOOOL SF / RADICOOOL SF PREMIX

REPLACES RADICOOOL SF-0 AND RADICOOOL HEAVY DUTY PREMIX

A long-life coolant based on monoethylene glycol with advanced organic acid inhibitor technology. In contrast to traditional antifreeze coolants, Castrol RADICOOOL SF does not contain amines, nitrites, phosphates, silicates or other inorganic inhibitors.

Castrol RADICOOOL SF provides excellent corrosion protection particularly to those engines employing light metals. It is suitable for a wide range of OEMs.

Castrol RADICOOOL SF works over a wide operating temperature range for effective engine cooling in all climates, and offers freezing protection between -18°C and -37°C depending on concentration. RADICOOOL SF Premix has been diluted to 50% concentration with distilled water, providing freezing protection down to -37°C.

FEATURES & BENEFITS

- Special inhibitor package enables longer drain intervals with excellent protection against corrosion, cooling system blockage, overheating and freezing
- Suitable for use in engines employing cast iron, aluminium, copper or combinations of these metals used in modern engine designs. It is also compatible with all standard rubber hoses, gaskets and seals used within the cooling system
- Possesses a longer operational life by allowing extended drain intervals of 3 years plus
- Longer drain intervals mean reduced cost and less possibility of harm to the environment
- Excellent protection against cavitation corrosion and effective water pump lubrication, reducing wear and noise
- Additive technology used prevents the build up of calcium deposits (scale) from use of hard water, thereby reducing possibility of radiator blocking and restricted flow of coolant. This technology also improves the fluid's heat transfer properties ensuring engines run at optimum temperatures
- Contains a bittering agent to deter from accidental ingestion.

SPECIFICATION/TECHNICAL DATA

- ASTM D3306
- ASTM D4985
- ASTM D6210
- BS6580:2010
- VW TL-774F (G12+)
- Deutz DQC CB-14
- DAF 74002
- MAN 324 Typ SNF
- MB-Approval 325.3 (Concentrate)
- MB-Approval 326.3 (Premix)
- Ford WSS-M97B44-D

SUITABLE FOR

- Toyota
- Holden
- Ford
- VW/Audi/Skoda G12+ ('97-'08)
- Lexus
- Land Rover
- Isuzu
- Chrysler
- Jaguar
- Haval

	RADICOOOL SF PREMIX				
Pack Size	6X1L	3X5L	20L	208L	1000L
Item Code	3424607	3424606	3419844	3417111	3419845
Barcode	9310084032226	9310084032233	9310084031076	9403044104320	9310084031083
Tun code	19310084032223	19310084032230			

	RADICOOOL SF				
Pack Size	6x1L	3x2.5L	3X5L	20L	208L
Item Code	3424693	3424691	3424692	3424712	3417624
Barcode	9310084032172	9310084032189	9310084032196	9310084032202	9403044104344
Tun code	19310084032179	19310084032186	19310084032193		





COMING Q1 2022

RADICOOL SI-OAT / RADICOOL SI-OAT PREMIX

A long-life coolant for the latest vehicles requiring Organic Acid inhibitor Technology (OAT) with added silicates. Castrol RADICOOL Si-OAT acts as both antifreeze and coolant and offers excellent corrosion protection to all metal parts found in the cooling systems of internal combustion engines.

Castrol RADICOOL Si-OAT should be used at concentrations of between 33% and 50% dilution with purified water to give optimum corrosion protection and freezing protection between -18°C and -37°C depending on concentration. RADICOOL Si-OAT Premix has been diluted to 50% concentration with distilled water, providing freezing protection down to -37°C.

FEATURES & BENEFITS

- In most cases, coolants are not compatible and should not be mixed with other coolants unless directed by the equipment manufacturer. If using Castrol RADICOOL Si-OAT for the first time, ensure that the cooling system has been adequately flushed with clean water
- Formally approved by MAN for use in those vehicles specifying MAN 324 Type Si-OAT coolants, including those vehicles built after Dec 2012
- Also suitable for use in older vehicles previously using MAN 324 Type NF and MAN 324 Type SNF fluids
- Approved for use in VW, Audi, Porsche, Skoda, Bentley, Lamborghini and Seat vehicles requiring VW TL-774G approval (G12++). It is also compatible with older VW TL-774C (G11) and VW TL-774F (G12+) type fluids and can be used where VW TL-774J (G13) fluid is recommended
- Suitable for all Mercedes-Benz vehicles manufactured after 10/2011
- Protects for up to 3 years and has the following advantages:
 - Excellent low temperature protection
 - Provides superior protection against all forms of corrosion
 - Minimises deposit formation, because of its phosphate free formulation
 - Approved for use in Euro 6 generation truck and bus engines
 - Does not contain amines, nitrites, phosphates or borates.

SPECIFICATION/TECHNICAL DATA

- ASTM D3306
- ASTM D4985
- BS6580:2010
- JASO JIS K2234
- MAN 324 Type Si-OAT
- MB-Approval 325.5 (Concentrate)
- MB-Approval 326.5 (Premix)
- VW TL- 774G (G12++)

	RADICOOL SI-OAT		
Pack Size	3X5L	20L	205L
Item Code	3424675	3382371	3382372
Barcode	9310084032240	9310084031427	9310084031434
Tun code	19310084032247		

	RADICOOL SI-OAT PREMIX	
Pack Size	6X1L	205L
Item Code	3424686	3417316
Barcode	9310084032264	9310084030505
Tun code	19310084032261	





COOLANTS

RADICOOL NF / RADICOOL NF PREMIX

REPLACES ANTIFREEZE NF

An antifreeze coolant formulated using hybrid OAT technology that is free of nitrites, amines and phosphates.

It provides excellent protection against corrosion, and because it contains no phosphate, the problems of deposits in some performance engines are eliminated.

RADICOOL NF should be used at concentrations of between 33% and 50% dilution with purified water to give optimum corrosion protection and freezing protection between -18°C and -37°C depending on concentration. RADICOOL NF Premix comes pre-diluted to 50% concentration, providing freezing protection down to -37°C.

FEATURES & BENEFITS

- Protects for up to 5 years/ 9000 hours or 600,000km
- Excellent low temperature protection
- Provides excellent protection against corrosion
- Efficient lubrication of water pumps
- Compatible with conventional seal and hose materials used in engine cooling systems.

SPECIFICATION/TECHNICAL DATA

- VW TL-774C (G11)
- MTU MTL 5048
- MAN 324 Typ NF
- Deutz DQC CA-14
- MB-Approval 325.0 (Concentrate)
- MB-Approval 326.0 (Premix)
- BS 6580:2010
- ASTM D4985

SUITABLE FOR

- BMW, Mini
- Mercedes-Benz, Smart (up to 2011)
- VW, Audi, Skoda, Porsche, Bentley, Lamborghini, Seat (up to 1997)

	RADICOOL NF	
Pack Size	20L	205L
Item Code	3376394	3376395
Barcode	9310084022722	9310084022739

	RADICOOL NF PREMIX
Pack Size	205L
Item Code	3377131
Barcode	9310084022746



COOLANTS



RADICOOOL CONCENTRATE / RADICOOOL PREMIX

A general purpose ethylene glycol based coolant with corrosion inhibitors to protect aluminium alloys, copper and cast iron engine components.

Suitable for older cars and light commercial vehicles with petrol and diesel engines (prior to 2000).

CONCENTRATE: Mix with equal parts of water for optimum performance.

FEATURES & BENEFITS

- Contains no nitrites, amines or phosphates
- Effective engine cooling without boiling
- Protection against corrosion in the alloys used in the cooling systems of modern vehicles
- Protection against freezing down to -19°C for Premix, and between -18°C and -36°C for Concentrate depending on concentration
- Protection against electrolysis
- Protection against cavitation corrosion
- Efficient lubrication of water pumps
- Compatible with conventional hose and seal materials used in engine cooling systems.

SPECIFICATION/TECHNICAL DATA

- AS 2108-2004 Type A (concentrate only)
- BS 6580:2010
- ASTM D3306 (I) (concentrate only)



	RADICOOOL CONCENTRATE					
Pack Size	6 x 1L	3 x 2.5L	3 x 5L	20L	60L	205L
Item Code	3424673	3424671	3424672	3424670	3377734	3381902
Barcode	9310084032110	9310084032127	9310084032134	9310084032141	9310084022715	9310084022708
Tun Code	19310084032117	19310084032124	19310084032131			

	RADICOOOL PREMIX		
Pack Size	6 x 1L	3 x 5L	205L
Item Code	3424638	3424637	3376395
Barcode	9310084032158	9310084032165	9310084022739
Tun Code	19310084032155	19310084032162	



COOLANTS

RADICOOOL PG PREMIX

A ready-to-use fully formulated Hybrid technology propylene glycol based engine coolant. It is a low silicate, phosphate and amine free product that is recommended for use in automotive (aluminium compatible), light duty and heavy-duty diesel applications including transport, mining, farming and marine. It's extended life formulation provides up to 6 years/12,000 hours off-road maintenance free service, without the need of SCA. Castrol RADICOOOL PG PREMIX is a pre-mixed, ready to use coolant. Do not dilute further.

FEATURES & BENEFITS

- Considered non toxic - contains Propylene Glycol (PG)
- Extended life
- No initial SCA requirement at initial fill
- Product is compatible with standard SCAs and coolant extenders
- Universal use, suitable for use in all vehicle types including those requiring: Caterpillar EC1, MTU (EVP 1 1827/MTL5048), Detroit Diesel (Bulletin #7SE 298)
- Low silicate
- Phosphate and amine free
- Hard water compatible
- Provides exceptional summer cooling and excellent freezing protection during winter.

PERFORMANCE LEVELS

- ASTM D3306 (IV), ASTM D4985, ASTM D6210
- TMC RP330
- AS/NZS 2108.1:1997 Type A

Pack Size	1000L	Bulk
Item Code	3381707	3381708
Barcode	9310084023163	

RADICOOOL NON-GLYCOL PREMIX

Castrol Radicool Non-Glycol Premix is a ready-to-use water-based corrosion inhibitor formulated with organic acid technology (OAT). It is formulated without ethylene glycol, phosphates, silicates, borates, nitrates, nitrites and amines. can be used in petrol, diesel and gas engines and is therefore suitable for cars, buses, trucks, tractors, as well as for use in industrial and mining applications.

Castrol Radicool Non-Glycol Premix can be used where an anti-freeze anti-boil coolant is not specified.

FEATURES & BENEFITS

- Engine protection in a wide range of light duty and heavy duty applications
- Free from ethylene glycol, amine, borate, phosphate, nitrates, nitrites and silicate
- Compatible with other long life OAT based engine coolants
- Compatible with hard water.

Pack Size	205L	1000L
Item Code	3424485	3424484
Barcode	9310084032042	93100840320



COOLANTS



PREMIUM COOL PLUS / PREMIUM COOL PLUS 50

Low silicate ethylene glycol based engine coolant – phosphate and amine free formulation providing extended service life protection for lead solder, aluminium, yellow metal and ferrous alloys.

For US, European and Japanese turbocharged and naturally aspirated diesel engines, particularly wet liner engines, operating in on-highway and off-road environments and arduous city stop-start driving conditions.

Not generally recommended for petrol engines. For Mercedes Benz, use Radicool NF.

FEATURES & BENEFITS

- 1,000,000km/8000hrs/4 years (whichever occurs first) service life in heavy duty diesel engines
- Fully conforms to the warranty requirements of most major HD diesel engine OEM's
- Covers the needs of a wide range of engines meaning less coolants need to be stocked, assists rationalisation
- Guaranteed performance in the widest range of diesel engines
- Compatible with most commercial SCA's.

SPECIFICATION/TECHNICAL DATA

- PCP = **concentrate** – use as recommended by the manufacturer but not as less than 40% or more than 55% in heavy duty diesel engines
- PCP50 = **premix** – pre-diluted to 50%, ready to use, do not dilute further
- Australian Standard: AS2108-2004
- International Standard: TMC RP 329
- ASTM D 3306, ASTM D 4985 and ASTM D6210 (HDDE coolants not requiring a pre-charge of SCA)

	PREMIUM COOL PLUS			
Pack Size	3 x 5L	20L	205L	1000L
Item Code	3335539	4101161	4101162	3377739
Barcode	9310084008023	9310084006296	9310084009471	9310084020520
Tun Code	19310084008020			

	PREMIUM COOL PLUS 50				
Pack Size	5L	20L	205L	1000L	Bulk
Item Code	4100009	4100007	4100008	4100010	3378993
Barcode	9310084000553	9310084015441	9310084015434	9310084019531	
Tun Code	39310084000554				





ENGINEUITY

ISSUE: **E002**
BRAKE FLUIDS

TECH TALK - EXPERT TO EXPERT

CASTROL TECHNICAL HELPLINE
1300 557 998BRAKE FLUIDS - AT CASTROL IT'S ALL
ABOUT **REACTION TIME**

BRAKE FLUID IS CRITICAL TO SAFETY AND POSSIBLY THE MOST IMPORTANT FLUID IN YOUR CAR, BUT ITS MAINTENANCE CAN BE OVERLOOKED. ENSURING THE PRODUCT IS STORED CORRECTLY, IS IN GOOD CONDITION AND IS WITHIN RECOMMENDED USE BY DATES IS VITAL. WHILE IN THEORY DOT 3, DOT 4 AND SUPER DOT 4 BRAKE FLUIDS ARE MISCIBLE, CASTROL RECOMMENDS IT'S SAFER TO DRAIN AND REFILL THAN TO MIX.

INCOMPRESSIBLE STOPPING POWER.

Brake fluid needs to be incompressible so pressure can transfer from the brake pedal through to the calipers. If it becomes compressible the pedal will feel spongy and need to be pushed further or pumped to deliver the same pressure, reducing the ability to stop quickly. To ensure a high braking function it is essential to check the reservoir level regularly as it shouldn't change unless there is a leak in the system or wear in the brake pads. Topping up without fixing the issue may result in compromised fluid and even give a false sense of security.

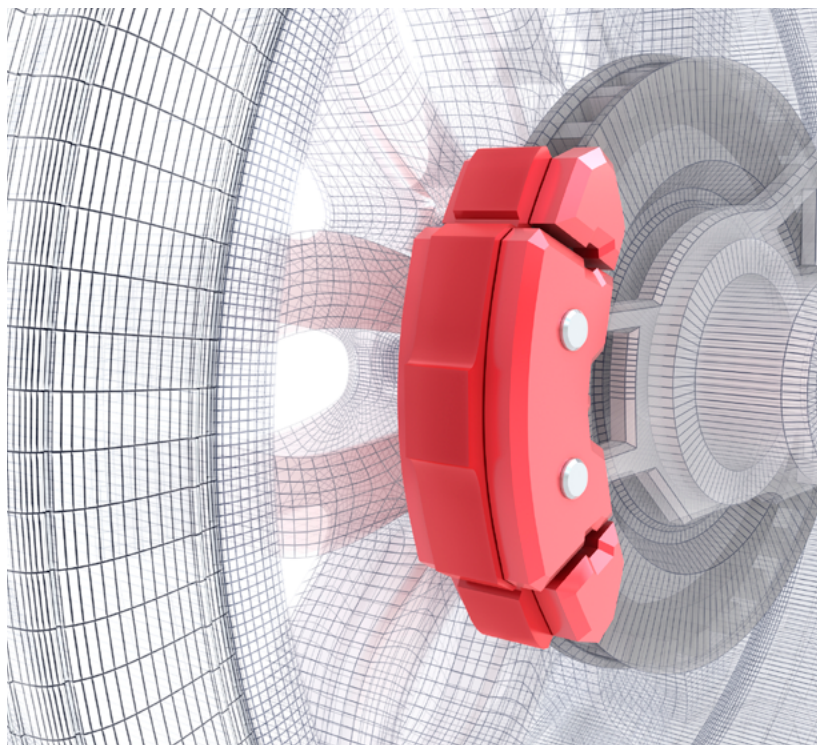
BRAKE FLUIDS REQUIRE HIGH BOILING POINTS FOR STOP PERFORMANCE.

The major standard for brake fluids is US FMVSS 116 which defines the US Department of Transport (DOT) classes. The standard outlines criteria for equilibrium wet and dry boiling points, for resistance to thermal stress, viscosity at differing temperatures, seal compatibility and corrosion protection. As brake fluids become very hot during use, they need high boiling points to avoid gas bubbles which increase compressibility and lower braking power. Each batch of Castrol brake fluid is tested against these specifications to ensure the product's high performance at every application.

SPECIFICATION / STANDARD	DRY EQUILIBRIUM REFLUX BOILING POINT, °C MIN	WET* EQUILIBRIUM REFLUX BOILING POINT, °C MIN	VISCOSITY @-40 °C, CST MAX.
DOT 3	205	140	1500
DOT 4	230	155	1800
DOT 4+	260	180	1200-1500
DOT 5 (SILICONE)	260	180	900
DOT 5.1	260	180	900

*Wet boiling point is temperature at which a DOT fluid begins to boil AFTER it has absorbed 3.7% water by volume (equates roughly to 2 years service)

The three main types of brake fluids are glycol ether, silicone or mineral oil, using the correct is important to avoid damage to seals. DOT 3 tend to be glycol ether, DOT 4 and Super DOT 4 are generally borate ester / glycol ether, DOT 5.1 have similar high temperature performance as DOT 4 plus a lower viscosity at cold temperatures.



The most commonly used fluids are glycol ethers, which have the disadvantage of being hygroscopic (they readily absorb water). Increasing water content reduces the fluid's boiling point and increases the risk of vapour lock and loss of performance.

Mineral oil brake fluids are used in some applications but they are different to any other brake fluids and cannot be mixed. The presence of a small amount of mineral oil in a glycol ether system will result in damage to seals.

Silicone (DOT 5) brake fluids don't strip paint like standard brake fluids and are often used in motor bikes to avoid damaging the fuel tank's paintwork and sometimes in Motor Racing. While DOT 5's are less hygroscopic they are more compressible, demonstrate inferior lubrication and free water tends to accumulate in low spots in the brake system which becomes a corrosion issue.

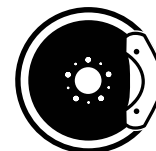
FOR THE ULTIMATE IN RACING BRAKE FLUIDS, CASTROL SRF HAS BEEN AND REMAINS THE INDUSTRY STANDARD FOR HIGH PERFORMANCE APPLICATIONS.

SMALLER IS BETTER FOR STORAGE.

It's important to store glycol ether brake fluids carefully, particularly if you stock larger containers. Once open any fluid in the container will be exposed to moisture in the 'headspace' of the container, so it is preferable to use small containers. Castrol recommends that product held in partially filled containers should be discarded after a maximum of 12 months.

TO ACHIEVE A SAFE RELIABLE STOP PERFORMANCE, IT'S IMPORTANT NOT TO IGNORE BRAKE FLUIDS DURING VEHICLE MAINTENANCE SCHEDULES.

BRAKE FLUIDS



BRAKE FLUID DOT 3

BRAKE FLUID HD DOT 3

Suitable for use in disc and drum brakes and hydraulic clutch systems where a non-petroleum based DOT 3 fluid is specified. Certain Japanese vehicles may stipulate DOT 3 brake fluids.

It is NOT recommended where DOT 4, Super DOT 4 or DOT 5 brake fluids are specified.

FEATURES & BENEFITS

- High level of protection against wear
- Fully compatible with other brake fluids meeting FMVSS 116 DOT 3, DOT 4
- Proven track record in braking systems over many years of reliable service.

SPECIFICATION/TECHNICAL DATA

- Australian Standard AS 1960.1-2005 Grade 1
- FMVSS Class DOT 3
- SAE J1703

Pack Size	6 x 500ML	20L
Item Code	3377668	3377667
Barcode	9310084019999	9310084023293
Tun Code	19310084019996	



BRAKE FLUID DOT 4

REPLACES RESPONSE DOT 4

Castrol Brake Fluid DOT 4 is suitable for use in all brake fluid systems in cars, motorcycles, and light commercial vehicles (LCV's) requiring either a DOT 3 or DOT 4 product (excluding brake systems where a mineral based fluid is specified).

It can be used with either disc or drum brakes including vehicles fitted with ABS systems. It is also suitable for use in hydraulic clutch systems.

Meets the latest Holden low temperature brake fluid viscosity requirements.

NOTE: For vehicles operating under heavier loads or extreme conditions, Castrol React Performance DOT 4 brake fluid is strongly recommended.

FEATURES & BENEFITS

- High boiling point easily meets or exceeds U.S. FMVSS DOT 3 and DOT 4 wet/dry specialisation requirements
- High vapour lock temperature – greater protection against brake fluid vaporization
- Advanced corrosion protection – better protection against corrosion caused by absorbed moisture, that can contribute to lower maintenance costs
- High temperature stability – provides a greater margin for safety because the product performance will not fade under higher temperatures
- Rubber swell control – contributes to efficient operation of the braking system components
- Compatible with all other brake fluids that meet either DOT 3 or DOT 4 Specification.

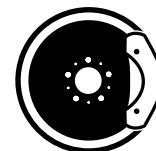
SPECIFICATION/TECHNICAL DATA

- Australian Standard AS 1960.1-2005 Grade 2
- SAE J1704
- FMVSS Class DOT 4

Pack Size	6 x 500ML	3 x 4L	20L
Item Code	3377669	3377671	3377670
Barcode	9310084020216	9310084020209	9310084022500
Tun Code	19310084020213	19310084020206	



BRAKE FLUIDS



REACT PERFORMANCE DOT 4

REPLACES RESPONSE DOT 4

Castrol React Performance DOT 4 is a performance, high boiling point polyglycol type brake fluid designed to provide superior braking performance in a variety of vehicles, especially those that operate at higher temperatures or under increased loads.

Suitable for use in all brake fluid systems in cars, motorcycles and light commercial vehicles (LCV's) requiring either a DOT 3, DOT 4 or Super DOT 4 product.

Do not use: in brake systems where a mineral oil based fluid is specified.

FEATURES & BENEFITS

- High boiling point: Exceeds US FMVSS DOT 3 and DOT 4 specification requirements
- High vapour lock temperature
- Outstanding protection against corrosion caused by absorbed moisture that can cause rusting and failure of components
- Rubber swell control: Contributes to efficient operation of the braking system components
- Compatible with all other brake fluids that meet either DOT 3, DOT 4 or Super DOT 4 specifications.

SPECIFICATION/TECHNICAL DATA

- Australian Standard AS 1960.1-2005 Grade 3
- SAE J1704
- FMVSS Class DOT 4

Pack Size	6 x 500ML	3 x 4L	20L
Item Code	3377737	3377736	3377735
Barcode	9310084020247	9310084020230	9310084022760
Tun Code	19310084020244	19310084020237	



REACT SRF RACING

Castrol React SRF Racing brake fluid is a high performance brake fluid of special value in competitive motorsport where extreme braking conditions are encountered.

It has been especially formulated to maximise braking performance under arduous competitive conditions. In order to achieve the optimum benefits in such applications, patented silicon ester materials have been employed in a unique Castrol formulation.

It is suitable for all disc and drum brake systems used in motorsport with the exception of those for which a mineral oil is prescribed.

FEATURES & BENEFITS

- Race Proven: Widely used in racing, from Formula One, sports cars, V8 Supercar and Grand Prix and Superbike motorcycles
- High Boiling point – exceeds the boiling point requirements of DOT 5 brake fluids
- High Vapour Lock Point.

SPECIFICATION/TECHNICAL DATA

- US FMVSS 116 DOT 3 and DOT 4
- ISO 4925 Class 4
- SAE J1703

Pack Size	6 x 1L
Item Code	3379573
Barcode	IMPORT





ISSUE: E006 GREASES

TECH TALK - EXPERT TO EXPERT

CASTROL TECHNICAL HELPLINE
1300 557 998

CHOOSING THE CORRECT GREASE

GREASES PLAY A CRITICAL PART IN LUBRICATING KEY COMPONENTS OF A VEHICLE SUCH AS THE WHEEL BEARINGS, CV JOINTS, CHASSIS, HINGES, DISC BRAKES AND LATCHES.

THERE ARE A WIDE RANGE OF GREASES IN THE MARKET FOR DIFFERENT APPLICATIONS, SO CHOOSING THE CORRECT GREASE FOR THESE COMPONENTS IS IMPORTANT FOR PREVENTING UNNECESSARY WEAR AND TEAR.

DID YOU KNOW THAT GREASES CAN HAVE DIFFERENT BASE OIL VISCOSITIES, ADDITIVES AND THICKENERS?

To achieve the desired characteristics of a grease, careful selection of the base oil viscosity, thickener and additives are essential.

BASE OIL VISCOSITY: The base oil viscosity is measured in centistokes (cSt), usually at 40°C. Generally speaking, the higher the bearing/component speed, the lower the base oil viscosity required. Whereas, thicker base oils are used in slower moving, heavily loaded applications. Selecting the correct viscosity helps to maintain the correct operating temperature and may assist with wear protection.

THICKENER: The thickener, also known as the base, gives the grease its structure and determines the high temperature capability, water resistance, shear stability and pumpability properties. Acting like a sponge, the thickener holds the base oil and additives together.

ADDITIVES: Specific additives are key to the performance of a grease and play a crucial role in protecting the lubricated components from wear. Typical additives include corrosion inhibitors, anti-wear additives, extreme pressure additives and tackifiers.

DO I NEED MORE THAN ONE GREASE IN MY WORKSHOP?

In workshops, greases that can be used in a number of applications are ideal. Many multipurpose greases have Lithium complex thickeners with a base oil viscosity of around 200 cSt. Castrol Premium Heavy Duty or Agri Grease Ultra are excellent multipurpose greases and can be used in a wide range of automotive applications. Refer Table 1 Grease Application Reference Guide for selecting the right grease for an application.

WHY SHOULDN'T I BE MIXING GREASES?

Certain types of greases are incompatible. Using incompatible greases together causes the base 'mixture' to soften and will result in the oil being released. This will lead to inadequate lubrication, so it is very important that incompatible greases don't come into contact with each other.

When changing greases it is always best practice to remove all of the previous grease. Always consult your Castrol Technical expert if unsure. Refer Table 2 Grease Compatibility Guide for your grease compatibility requirements.

Table 2: Grease Compatibility Guide

GREASE COMPATIBILITY GUIDE	Aluminium complex	Calcium	Calcium complex	Bentone clay	Lithium	Lithium complex	Polyurea*	Calcium sulphate
Aluminium complex								
Calcium								
Calcium complex								
Bentone clay								
Lithium								
Lithium complex								
Polyurea*								
Calcium sulphate								

Compatible Incompatible *exceptions are possible, consult manufacturer

WHY DO SOME GREASES CONTAIN MOLYBDENUM DISULFIDE, A.K.A 'MOLYS'?

Solid additives such as Molybdenum Disulfide are used when standard extreme pressure additives are insufficient for preventing metal to metal contact during shock and heavily loaded applications. These solids reduce wear and are generally only suitable for slower moving components. Lithium Soap greases containing 3% Molybdenum Disulphide with a base oil viscosity between 180 - 310 cSt are commonly used in CV joints to protect against shock loading, Castrol Spheerol LMM grease is recommended for this application.

There are also greases specially formulated for compatibility with rubber components. Using the wrong grease with rubber components can cause the rubber to become brittle, hard, split or soften.

Castrol's specially formulated range of high performance greases provide outstanding protection in all operating conditions and applications. Having developed some of the most advanced and high performing greases in the world, including for the International Space Station and the Mars Curiosity rover, **THE TEAM AT CASTROL HAVE THE EXPERIENCE AND KNOWLEDGE TO HELP YOU MAKE THE MOST INFORMED CHOICE WHEN IT COMES TO GREASE SELECTION.**

Table 1: Grease Application Reference Guide

CASTROL WORKSHOP RANGE	DESCRIPTION	4WD	BOAT TRAILERS	HIGH TEMP.	WHEEL BEARINGS	CV JOINTS	UNIVERSAL JOINTS	TURNABLES	KINGPINS	CHASSIS	PIVOT PINS	BALL JOINTS
Spheerol EPL 2	Lithium						✓			✓	✓	✓
Spheerol LMM	Lithium with Moly					✓		✓	✓	✓	✓	✓
Premium Heavy Duty	Lithium Complex	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Agri Grease Ultra	Lithium Complex	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Spheerol Ultratak	Lithium Complex with Tackifier	✓	✓	✓			✓	✓	✓	✓	✓	✓
Spheerol HTB	Bentone/Clay			✓	✓							



GREASES

AGRI GREASE ULTRA

REPLACES AGRI GREASE PLUS

High performance grease for a wide range of farm and associated machinery applications, including cars, trucks, 4WDs and pumps. Proven performance in severe duty applications, protecting ball & roller bearings, especially on-land/on-road, high load applications.

FEATURES & BENEFITS

- One grease simplifies servicing and avoids misapplication
- One grease reduces inventory, which saves money
- Contains corrosion inhibitors to provide protection between seasons
- High melting point ensures lubrication is maintained in high temperature applications
- Can be used in disc brake wheel bearings.

SPECIFICATION/TECHNICAL DATA

- Lithium Complex
- Smooth-Tacky
- NLGI 2
- Drop Point °C 260+
- Dark green

Pack Size	12 x 450g	20KG
Item Code	3377648	3377647
Barcode	9310084022265	9310084022258
Tun Code	19310084022262	



MINE GREASE

Castrol Mine Grease is an extreme pressure lithium grease formulated with specially selected base oil combinations that provide optimal pumpability.

Castrol Mine Grease also contains 3% molybdenum disulphide, which provides additional wear protection under conditions of vibratory motion.

FEATURES & BENEFITS

- Superior EP properties provide protection against extreme shock loading
- High performance corrosion inhibitors protect equipment and reduce maintenance costs and downtime
- Excellent pumpability reduces the risk of blocked lubrication lines and lubrication starvation
- Outstanding structural stability means the lubricant does not slump out of the application.

SPECIFICATION/TECHNICAL DATA

- Lithium
- Dark Grey
- Smooth
- Komatsu(AH10529a)
- Rothe Erde
- Liebherr
- NLGI 2

Pack Size	12 x 450g	20KG	180KG	900KG	1000KG	1000L
Item Code	3335270	3335268	3335267	3389303	3348794	3349989
Barcode	9311661020292		9311661020223		9311661020230	9310084016349





PREMIUM HEAVY DUTY

REPLACES LMX GREASE

Designed for plain and roller bearing applications operating at temperatures beyond the limits of conventional Lithium greases.

The excellent stability, load carrying and high temperature performance of Castrol Premium Heavy Duty make it particularly suitable for use in wheel bearings of vehicles operating at high speeds over long distances, or where prolonged heavy braking is likely to give higher than normal hub temperatures.

Castrol's primary recommendation for vehicles operating with disc brakes. It is also recommended for general purpose greasing on a wide range of industrial plant, particularly if operating under conditions of high load and temperature.

FEATURES & BENEFITS

- Excellent thermal stability and wide temperature range
- Reduced oil separation and resistance to hardening under pressure
- High load carry capacity
- Good water resistance
- Excellent EP and anti-wear properties – protects equipment against extreme loading and assists in minimising bearing component wear
- An optimized combination of Lithium thickener, highly refined base oil and specially selected base oil offers excellent all-round operating performance.

SPECIFICATION/TECHNICAL DATA

- Lithium Complex
- Blue and Tacky
- NLGI 2
- Dropping Point 250°C

Pack Size	12 x 450g	2 x 2.5KG	20KG	55KG	180KG	BULK
Item Code	3377124	3377122	3377123	3377125	3377121	3377123
Barcode	9310084020117	9310084020100	9310084022661	9310084022678	9310084022654	9310084022851
Tun Code	19310084020114	19310084020107				



RED RUBBER GREASE

REPLACES GRR(B) GREASE

Specifically formulated for rubber to rubber lubrication where any effects such as hardening or swelling of the rubber must be avoided. It therefore can be used on automotive hydraulic brake and clutch components where compatibility with natural rubber and SBR seals are involved. It may also be used to assist the assembly of natural and synthetic rubber components for automotive brakes or clutch systems and suspension units.

FEATURES & BENEFITS

- Excellent stability at high temperatures
- Good corrosion resistant properties
- Excellent compatibility with both natural and synthetic rubber components.

SPECIFICATION/TECHNICAL DATA

- Lucas Girling – TS -2-34-04
- NLGI 2-3
- Castor-bentone
- Worked penetration at 25°C is typically 245 – 275
- Drop point 160°C

Pack Size	6 x 500G
Item Code	3354820
Barcode	9310084020063
Tun Code	19310084020060





GREASES

SPHEEROL AP 3

Universal type medium consistency grease containing oxidation and corrosion inhibitors.
Recommended for electric motor bearings & high speed bearings.

FEATURES & BENEFITS

- Corrosion inhibitor additives ensure protection of metal surfaces extending bearing life
- Oxidation inhibitors extend the life of the grease in high temperature applications minimising the need for re-greasing
- Water resistance ensures good levels of protection in wet applications.

SPECIFICATION/TECHNICAL DATA

- Lithium
- NLGI 3
- Drop Point 180°C
- Rust & oxidation inhibitors

Pack Size	450g	20KG	180KG
Item Code	3383211	3383210	3383209
Barcode	9310084024535	9310084024528	9310084024511

SPHEEROL BTX 2 GREASE

A high performance grease developed for use in a wide range of mining and industrial applications.
It combines excellent extreme pressure, anti wear agents and corrosion inhibitors. Engineered to provide outstanding protection of ball and roller bearings in high speed load applications.

FEATURES & BENEFITS

- Water resistant containing a powerful corrosion inhibitor to protect lubricated machinery parts under wet conditions
- A unique combination of extreme pressure and antiwear agents, corrosion and oxidation inhibitors in a proven adhesive lithium complex base.

SPECIFICATION/TECHNICAL DATA

- Lithium complex grease
- NLGI 2
- Drop Point 250°C

Pack Size	450G	20KG	180KG	BULK KG
Item Code	3413942	3413941	3413940	3413943
Barcode	9310084029417	9310084029400	9310084029394	
Tun Code	39310084050344			





SPHEEROL EPL RANGE

REPLACES EPL RANGE

Castrol Spheerol™ EPL is a range of greases which comprises lithium based products, containing highly refined mineral oils, fortified with extreme pressure (EP) additives as well as corrosion and oxidation inhibitors. These greases have been formulated with additives that provide good film strength under medium to high loads.

FEATURES & BENEFITS

- High mechanical stability – the grease keeps its consistency in service ensuring long lubricant life
- Good adhesion – continuous lubrication and reduced consumption as film stays between lubricated surfaces
- Good water resistance – the grease film remains on the surface even in the presence of water
- Resistant to copper and steel corrosion – helps prevent rust and oxidation on metal surfaces
- Excellent EP and anti-wear properties – protects equipment against extreme loading and helps minimise bearing component wear.



SPECIFICATION/TECHNICAL DATA

SPHEEROL EPL 00

- Lithium
- Amber to Brown appearance
- NLGI 00
- Semi fluid

SPHEEROL EPL 0

- Lithium
- Amber to Brown appearance
- NLGI 0
- Dropping Point, Minimum 160°C

SPHEEROL EPL 1

- Lithium
- Amber to Brown appearance
- NLGI 1
- Dropping Point, Minimum 190°C

SPHEEROL EPL 2

- Lithium
- Amber to Brown appearance
- NLGI 2
- Dropping Point, Minimum 190°C

	Spheerol EPL 00		Spheerol EPL 0				
Pack Size	20KG	175KG	2 x 2.5KG	20KG	175KG	850KG	BULK
Item Code	3364626	3364625	3364320	3364319	3364318	3413995	3411366
Barcode	9310084015113	9310084015106	9310084014956	9310084014949	9310084014932	9310084029431	
Tun Code			19310084014953				

	Spheerol EPL 1	
Pack Size	20KG	180KG
Item Code	3364339	3364338
Barcode	9310084014970	9310084014963

	Spheerol EPL 2				
Pack Size	450g	2.5KG	20KG	180KG	BULK
Item Code	3364327	3364325	3364326	3364324	3414018
Barcode	9310084015199	9310084020391	9310084015168	9310084015144	
Tun Code	19310084015196	19310084020398			



SPHEEROL EPLX-M 2

Spheerol™ EPLX-M2 is a lithium complex, extreme pressure grease intended for a wide range of applications. It is based on high quality mineral oil and is formulated to provide excellent high temperature performance, with good adhesion, structural stability and resistance to water.

This grease has a high level of chemical stability and offers excellent protection against rust and corrosion. It contains molybdenum disulfide to provide added wear protection of sliding components and chassis parts.

The maximum operating temperature range is -30°C to +175°C with appropriate relubrication intervals. Spheerol EPLX-M 2 does not contain lead, chlorine or nitrites.

FEATURES & BENEFITS

- Reduced downtime and maintenance costs because of outstanding protection against wear, rust and corrosion
- Extended service life in high temperature applications
- Excellent resistance to water wash-out and contamination.

Pack Size	12x450GM	20KG	180KG
Item Code	3413665	3413664	3413663
Barcode	9310084028878	9310084028892	9310084028885
Tun Code	19310084028875		

SPHEEROL EPLX 200 RANGE

Spheerol™ EPLX 200-1 and 2 are multi-purpose high-performance greases based on mineral oil and a lithium-complex soap; they are formulated to provide excellent high-temperature lubrication performance.

They possess EP load-carrying properties, and contain additives selected to enhance oxidation, corrosion and wear resistance.

FEATURES & BENEFITS

- High operating temperature capability
- Suitable for highly loaded and vibratory working conditions
- Maximum equipment protection
- Long service life
- Excellent anti-corrosion properties
- Very adhesive to surfaces.

	Spheerol EPLX 200-1	
Pack Size	180KG	BULK KG
Item Code	3423669	3423750
Barcode	9 310084 031939	

	Spheerol EPLX 200-2					
Pack Size	450g	2.5KG	20KG	180KG	1000KG	BULK
Item Code	3413427	3413428	3413426	3413424	3413425	3413944
Barcode	9310084028618	9310084028649	9310084028632	9310084028625	931008402865	
Tun Code	19310084028615	19310084028646				





SPHEEROL ELG

Castrol Spheerol™ ELG is a high viscosity base oil lubricant containing solid lubricants, EP additives and thickeners.

Spheerol ELG is especially designed for use in traction motor gears in the railway industry. It is ideal in such applications where semi-fluid grease type lubricants are specified.

FEATURES & BENEFITS

- High film strength prevents gear scuffing and wear, minimises downtime and maintenance costs
- Advanced additive package including colloidal moly-disulfide protects against high steady loads and shock loads
- Low temperature fluidity, minimises gear wear during cold start-up
- Bitumen and solvent free formulation, safer to use, minimises environmental impact
- Incorporates soap thickener, minimises leakage from poorly sealed gearboxes.

Pack Size	20KG
Item Code	3413163
Barcode	9310084028441

SPHEEROL RCG

Castrol Spheerol™ RCG is a lithium based grease designed to protect rails and wheel flanges against wear on curved and tangent railway tracks. It is a smooth black, NLGI 2 grease that is fortified with molybdenum disulphide and friction modifiers that provide wear protection and noise reduction.

Built in polymers provide effective adhesion to the rail and provide resistance to water wash off. The carefully selected base oil combination of synthetic ester and mineral oil provides optimum spreadability and pumpability, particularly at low operating temperatures.

FEATURES & BENEFITS

- Superior friction reducing properties provide protection against wear and excessive noise
- High degree of spreadability ensures protective lubricant film typically covers 800 metres of curve in 4000 metres of track
- Combination of lithium soap and synthetic ester provides good pumpability
- Excellent adhesion properties ensure grease is not washed off in adverse weather conditions and reduces grease creep to the top of the rail.

Pack Size	20KG	180KG
Item Code	3414149	3414148
Barcode	9310084029714	9310084029707





GREASES

SPHEEROL FPG

Castrol Spheerol™FPG is a lithium soap thickened grease formulated with a blend of antiwear and extreme pressure additives along with a sophisticated polymer that provides exceptional water resistant characteristics.

The manufacturing process and carefully controlled consistency of Spheerol FPG ensures optimal pumpability across a wide range of conditions.

The technology used to formulate Spheerol FPG ensures maximum protection against grease loss due to the effects of water wash and severe shock loading. This enables reduced grease consumption and longer component life.

FEATURES & BENEFITS

- Excellent pumpability prevents grease starvation related equipment failures
- Resistance to water washout reduces usage and extends the life of components
- Antiwear and extreme pressure properties reduce wear under heavy duty conditions
- Excellent adhesion to metals, providing lubrication under extreme operating conditions and shock loading.

Pack Size	450g	20KG	180KG	BULK
Item Code	3414154	3414153	3414152	3413944
Barcode	9310084029660	9310084029646	9310084029639	
Tun Code	19310084029667			

SPHEEROL JBG

Castrol Spheerol™ JBG is a lithium/calcium mixed soap thickened grease formulated with a blend of antiwear and extreme pressure additives along with a sophisticated polymer that provides exceptional water resistant characteristics. The grease is marked by its exceptional mechanical stability, provides rust and oxidation protection and is approved to specification AAR M-942 (revised 1992).

The manufacturing process and carefully controlled consistency of Spheerol™ JBG ensures optimal pumpability across a wide range of conditions.

FEATURES & BENEFITS

- Excellent pumpability prevents grease starvation related equipment failures
- Resistance to water washout reduces usage and extends the life of components
- Antiwear and extreme pressure properties reduce wear under heavy duty conditions
- Excellent adhesion to metals, providing lubrication under extreme operating conditions and shock loading.

Pack Size	20KG	180KG
Item Code	3414150	3414151
Barcode	9310084029684	



GREASES



SPHEEROL HTB

REPLACES ENERGREASE HTG 2

Non-melting bentone clay based grease suitable for very high temperature applications up to 140C. Ideal for front wheel bearings in cars with disc brakes operating at very high temperatures.

FEATURES & BENEFITS

- Bentone based so it is suitable for a wide working temperature range
- Suitable for heavy and shock loading capabilities
- High thermal stability giving enhanced service life.

SPECIFICATION / TECHNICAL DATA

- NLGI 2
- Bentone clay

Pack Size	450g	2.5KG	20KG
Item Code	3371032	3371033	3371031
Barcode	9310084018435	9310084018725	93100840018411
Tun Code	19310084018432	19310084018722	



SPHEEROL LMM

REPLACES ENERGREASE LMS-EP 23

Heavy duty grease combining molybdenum disulphide with extreme pressure additives.

For use where shock load protection is required for automotive ball joints and constant velocity joints.

FEATURES & BENEFITS

- Good load carrying capacity – protects equipment against extreme loading and helps prevents damage caused by shock loading and excessive vibration
- Good water resistance
- Resistant to copper and steel corrosion – helps prevent rust and oxidation on metal surfaces
- High mechanical stability – the grease keeps its consistency in service, ensuring long term protection
- Good adhesion – continuous lubrication and reduced consumption as film stays between lubricated surfaces.

SPECIFICATION/TECHNICAL DATA

- Lithium
- Dark grey, smooth
- NLGI 2
- Dropping Point, Minimum 180°C

Pack Size	450g	2.5KG	20KG	180KG
Item Code	3371755	3371757	3371754	3371753
Barcode	9310084018350	9310084018367	9310084018343	9310084018329
Tun Code	19310084018357	19310084018364		





GREASES

SPHEEROL™ LC 2M

Castrol Spheerol™ LC 2M is a premium lithium complex, extreme pressure grease intended for a wide range of applications. It is formulated to provide excellent high temperature performance, with good adhesion, structural stability and resistance to water.

This grease has a high level of chemical stability and offers excellent protection against rust and corrosion. It contains molybdenum disulfide to provide added wear protection of sliding components and chassis parts. The maximum operating temperature range is -30°C to +175°C with appropriate relubrication intervals.

Spheerol LC 2M does not contain lead, chlorine or nitrites.

FEATURES & BENEFITS

- Reduced downtime and maintenance costs because of outstanding protection against wear, rust and corrosion
- Extended service life in high temperature applications
- Excellent resistance to water washout and contamination.

Pack Size	450g	20KG	180KG
Item Code	3422314	3422313	3422312
Barcode	9310084031700	931008403169	9310084031687
Tun Code	19310084031707		

SPHEEROL LYT 1 GREASE

High operating temperature grease containing a range of solid lubricants which provide excellent anti-seize properties. Apply to drill rod threads to prevent seizing.

FEATURES & BENEFITS

- Excellent anti-seize performance
- High operating temperature performance
- Longyear approval.

SPECIFICATION/TECHNICAL DATA

- Bentone
- NLGI 1
- Drop Point 250°C

Pack Size	2.5KG
Item Code	3412087
Barcode	9310084027826
Tun Code	39310084448233





SPHEEROL SY RANGE

Castrol Spheerol™ SY Range are lithium complex thickened lubricating greases based on synthetic base fluid. The grease contains antioxidants, corrosion inhibitors and Extreme Pressure / Anti Wear additives.

FEATURES & BENEFITS

- Outstanding high and low temperature performance
- Very good mechanical stability
- High load carrying capability
- Good corrosion protection.

	Spheerol SY 1002	
Pack Size	450GM	20KG
Item Code	3385147	3409635
Barcode	9310084025266	9310084026737

	Spheerol SY 1501	
Pack Size	450GM	20KG
Item Code	3379968	3409907
Barcode	9310084021343	9310084027291

	Spheerol SY 2202	
Pack Size	20KG	165KG
Item Code	3410566	3424677
Barcode	9310084027086	9310084032097

	Spheerol SY 4601	
Pack Size	18KG	165KG
Item Code	3410175	3410174
Barcode	9410084026751	9310084026744





SPHEEROL SBX RANGE

Lithium complex grease primarily designed to meet the SKF requirements for sugar mill roller bearing grease. The extreme load capacity makes it ideal for bucket pins, plain bearings and other heavy duty applications in the mining, sugar milling and general industrial industries.

Suitable for low speed bearings and some open gear applications.

The 5% molybdenum disulphide in Castrol SBX Grease meets certain minimum requirements of OEM's such as Caterpillar and Komatsu.

FEATURES & BENEFITS

- Advanced EP additives
- Corrosion protection
- Water resistant
- Good pumpability at low temperatures
- Helps maintain a separating film between gear tooth surfaces
- Excellent load carrying ability
- Metal surfaces will not corrode
- Does not breakdown when washed.

SPECIFICATION/TECHNICAL DATA

- Lithium Complex
- NLGI 1&2
- Drop Point 220°C (min)

	SPHEEROL SBX 1		
Pack Size	20KG	180KG	Bulk
Item Code	3410685	3410684	3413588
Barcode	9310084449529	9310084449574	9310084449505
Tun Code			

	SPHEEROL SBX 2			
Pack Size	450g	20KG	180KG	Bulk
Item Code	3413947	3413946	3413945	3413949
Barcode	9310084029257	9310084029233	9310084029226	9310084029284
Tun Code	39310084425555			



SPHEEROL ULTRATAK

Multipurpose lithium complex grease which has special properties in wet environments. Primarily suited for earthmoving bucket pins, ball, roller and plain bearings under high load.

FEATURES & BENEFITS

- Excellent all round performance offering improved performance and protection
- Outstanding load carrying and anti-wear properties
- Special properties in wet conditions with dramatic decrease in water washout
- Excellent resistance to corrosion even in salt water conditions.

SPECIFICATION/TECHNICAL DATA

- Lithium Complex
- NLGI 2
- Drop Point 200°C (min.)
- 4 Ball Weld 800kg typical

Pack Size	450g	20KG	180KG
Item Code	3414147	3414146	3414145
Barcode	9310084029745	9310084029738	9310084029721
Tun Code	39310084004620		





HYSPIN AWH-M RANGE

High quality range of shear stability, high viscosity hydraulic fluids with excellent anti-wear performance. Suitable for use in a diverse range of hydraulic systems that are subject to wide variations in temperature. For use in off-highway and marine applications and indoor manufacturing equipment.

FEATURES & BENEFITS

- Can be used over a wide temperature range with good shear stability
- Excellent anti-wear performance provides extended wear protection
- Reduced downtime, prolonged lubricant life.

SPECIFICATION/TECHNICAL DATA

- ISO 15, 32, 46, 68, 100
- DIN 51524 Part 3
- Denison HF-0
- Eaton (formerly Vickers) I-286-S & M-2950-S
- Cincinnati Milacron (P 68-69-70)
- US Steel 126 & 127
- Bosch Rexroth RE07075/RE90220

	Hyspin AWH-M 15	Hyspin AWH-M 32	Hyspin AWH-M 46	
Pack Size	205L	205L	20L	205L
Item Code	3410218	3402966	3358426	3503217
Barcode	9310084026546	9310084490279	9310084490422	9310084490477

	Hyspin AWH-M 68			Hyspin AWH-M 100
Pack Size	20L	205L	1000L	205L
Item Code	4103807	3402988	3378512	3900149
Barcode	9310084490620	9310084490675	9310084020971	9310084490972





HYSPIN AWH RANGE

A range of high quality mineral oils with a viscosity index improver, enhanced with a zinc additive. For modern hydraulic equipment operating under severe service conditions, i.e. wide temperature range and high pressures, injection moulders, earthmoving hydraulic systems, machine tools and agricultural equipment.

FEATURES & BENEFITS

- High viscosity index offers rapid response at cold start up
- Viscosity is maintained with high ambient temperatures ensuring wear protection and maximum efficiency
- Optimum machine performance.

SPECIFICATION/TECHNICAL DATA

Hyspin AWH is classified as follows:

- ISO 6743/4 - Hydraulic Oils Type HV
- Hyspin AWH grades meet the requirements (for appropriate viscosity grade) of DIN 51524 Part 3

	Hyspin AWH 15		Hyspin AWH 32		
Pack Size	20L	205L	3 X 4L	20L	205L
Item Code	4102065	4102401	4103014	4103013	4103330
Barcode	9310084321528	9310084321573	9310084323249	9310084323225	9310084323270
Tun Code			39310084323240		

	Hyspin AWH 46				
Pack Size	3 X 4L	20L	205L	1000L	Bulk
Item Code	4103407	4103410	4103404	3334419	3336166
Barcode	9310084324642	9310084324628	9310084324673	9310084324697	
Tun Code	39310084324643				

	Hyspin AWH 68				
Pack Size	3 X 4L	20L	205L	1000L	Bulk
Item Code	4103704	4103563	4103467	4103559	4103005
Barcode	9310084326844	9310084326820	9310084326875	9310084003431	
Tun Code	39310084326845				

	Hyspin AWH 100				
Pack Size	3 X 4L	20L	205L	1000L	Bulk
Item Code	4102471	4102017	4102086	4102022	3336277
Barcode	9310084320040	9310084320026	9310084320071	9310084005529	
Tun Code	39310084320041				





HYSPIN AWS RANGE

High quality mineral oil based hydraulic fluid containing zinc for industrial equipment including injection moulding plus a wide range of machinery including presses, machine tools (CNC machines), certain gearboxes, bearing lubrication systems and many more applications requiring an oil with good anti-wear and anti-oxidant properties.

Suitable for gear, vane and piston type hydraulic pumps, except those containing silver or cadmium.

FEATURES & BENEFITS

- Optimise machine performance
- Extended life of seals
- Reduced downtime, increased productivity
- Reliability and extended pump life.

SPECIFICATION/TECHNICAL DATA

- ISO 10 – 220
- DIN 51524 Part 2
- Denison HF-0, HF-1 & HF-2
- Cincinnati Milacron (P 68-69-70)
- DIN 51502 classification- HLP
- ISO 6743/4
- Hydraulic oil type HM
- US Steel 126
- Eaton E-FDGN-TB002-E

	Hyspin AWS 10		Hyspin AWS 22 Superclean		
Pack Size	20L	205L	20L	205L	1000L
Item Code	4103277	4103272	3370579	3370578	3370577
Barcode	9310084331022	9310084331077	9310084332227	9310084016929	9310084016912

	Hyspin AWS 32		
Pack Size	20L	205L	1000L
Item Code	3334429	4102391	3414005
Barcode	9310084333224	9310084333279	9310084029288

	Hyspin AWS 46			
Pack Size	20L	205L	1000L	Bulk
Item Code	4102792	4102060	4102097	4102394
Barcode	9310084334627	9310084334672	9310084334696	

	Hyspin AWS 68				Hyspin AWS 68 Superclean			
Pack Size	20L	205L	1000L	Bulk	20L	205L	1000L	Bulk L
Item Code	3334435	4102392	3334437	4102069	3414136	3370395	3370397	3370398
Barcode	9310084336829	9310084336874	9310084009297		9310084029615	9310084016967	9310084016950	

	Hyspin AWS 100			
Pack Size	20L	205L	1000L	Bulk
Item Code	4102331	4102330	3358538	3336201
Barcode	9310084330025	9310084330070	9310084005466	

	Hyspin AWS 150		
Pack Size	20L	205L	1000L
Item Code	4102372	4102071	3369912
Barcode	9310084335020	9310084335075	9310084335136

	Hyspin AWS 220
Pack Size	205L
Item Code	4102519
Barcode	9310084332074





HYSPIN HVI RANGE

The Castrol Hyspin™ HVI range of high viscosity index (VI) oils is based on a carefully selected ashless (formulated without zinc) additive system designed to meet and exceed the most exacting performance standards. Hyspin HVI oils are intended for severely stressed hydraulic systems requiring a high level of anti-wear performance and fine filtration. The Hyspin HVI range is fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated (e.g. Viton) polymers.

Applications include:

- Outdoor equipment which are likely to operate over wide temperature ranges, such as machinery subjected to cold start up conditions and high temperature continuous running. Examples include off-highway and marine applications
- Indoor manufacturing equipment that incorporates control systems requiring minimal viscosity change with temperature. Examples include precision machine tools.

FEATURES & BENEFITS

- High viscosity index and low pour point enables the product to be used over a wide temperature range. Good shear stability means no excessive loss in viscosity due to mechanical shearing
- Excellent anti-wear performance provides extended wear protection for hydraulic pumps. Reduced down time due to unscheduled maintenance and savings from replacement part costs
- Excellent water separation and hydrolytic stability means reduced down time through prolonged lubricant life and increased equipment reliability
- Excellent thermal and oxidative stability provides reliable performance and extended oil life in severe applications. Minimal deposit formation gives a cleaner system and reduced frequency of filter changes.

SPECIFICATION/TECHNICAL DATA

- DIN 51502 classification - HVLP
- ISO 6743/4 - Hydraulic Oils Type HV
- DIN 51524 Part 3
- Cincinnati Lamb (Milacron) P 68-69-70
- Parker Hannifin (Denison) HFO
- US Steel 126 & 127
- Eaton I-286-S & M-2950-S

	Hyspin HVI 15
Pack Size	205L
Item Code	3413654
Barcode	9310084028984

	Hyspin HVI 32
Pack Size	205L
Item Code	3410703
Barcode	9310084027864

	Hyspin HVI 46				Hyspin HVI 46 Superclean
Pack Size	20L	205L	1000L	Bulk	1000L
Item Code	3408463	3408464	3408462	3369870	3413566
Barcode	9310084026416	9310084026423	9310084026409		9310084028861

	Hyspin HVI 68				Hyspin HVI 68 Superclean
Pack Size	20L	205L	1000L	Bulk	Bulk
Item Code	3413418	3413417	3413419	3369877	3423254
Barcode	9310084028700	9310084028717	9310084028694		

	Hyspin HVI 100	
Pack Size	205L	1000L
Item Code	3414015	3414016
Barcode	9310084029271	9310084029264





HYSPIN HDH 7000

Castrol Hyspin® HDH 7000 is a very high performance mineral oil based hydraulic fluid with exceptional air release properties and shear stability which provide peak hydraulic performance for extended periods.

The extremely stable viscosity properties of Hyspin® HDH 7000 provides a double benefit of optimum cold start, and run hydraulic control, with correct hydraulic efficiency at normal and high operating temperatures.

FEATURES & BENEFITS

- Extremely stable viscosity. Improved cold start-ups – peak hydraulic performance immediately available and maintained
- Superior air release properties. Maintains hydraulic performance – maximum efficiency, minimal wear
- Advanced anti-wear additives. Protection of pump and hydraulic components – reduced maintenance, less downtime
- Good anti-rust properties. Reduced wear caused by rust particles – improved reliability of hydraulic components
- High aniline point. Ensures controlled effect on synthetic rubbers – extended life of seals.

Pack Size	20L	205L	1000L
Item Code	4103720	4103683	3380525
Barcode	9310084355721	9310084355776	9310084022074

HYSPIN VSH 3000

Sophisticated mineral hydraulic oil utilising the latest technology in anti-wear chemistry and incorporating a viscosity index improver with extreme shear stability.

Recommended for use in the most severe conditions, such as cane harvesters.

FEATURES & BENEFITS

- For rapid response at low start-up temperatures as well as for continuously high ambient operating temperatures
- Extreme shear stability ensures protective lubricating film is provided for entire drain interval.

Pack Size	205L
Item Code	4103431
Barcode	9310084360374





HYDRAULICS

HYSPIN ZZ RANGE

A range of non-zinc, mineral oil based hydraulic fluids proven to be resistant to the effects of “dieseling” in highly stressed systems such as plastic injection moulding.

Designed for use in all hydraulic systems in high temperatures exposed to water ingress or where a high level of filterability is required.

Also useful where silver and/or cadmium components are used or where the risk of environmental damage due to spillage (non-zinc) is a concern with normal zinc antiwear additives.

FEATURES & BENEFITS

- Contains oxidation and corrosion inhibitors with antifoam and demulsification additives
- High antiwear performance, allowing pumps to operate at high temperatures without excess water
- Zinc and heavy metal free, providing non contaminated waste water for environmentally friendly disposal
- Excellent water tolerance – will not break down in presence of water nor form deposits. Therefore, can be used in operations where water ingress occurs
- Thermal stability allows it to be used in high temperature applications.

SPECIFICATION/TECHNICAL DATA

- Viscosity: 32, 46, 68, 100
- DIN 51524 Part 2
- Denison HF-0, HF1 & HF2
- Cincinnati Milacron (P 68-69-70)
- Eaton E-FDGN-TB002-E
- GB 11118.1 L-HM (General and High Pressure)
- US Steel 126
- DIN 51502 classification- HLP
- ISO 11158 HM
- ISO 6743/4 Hydraulic oil type HM

	Hyspin ZZ 32 Superclean			Hyspin ZZ 46 Superclean	Hyspin ZZ 68 Superclean
Pack Size	20L	205L	BULK	205L	205L
Item Code	3413983	3413982	3413984	3414453	3414577
Barcode	9310084029349	9310084029356		9310084029912	9310084030017

	Hyspin ZZ 100		
Pack Size	205L	1000L	BULK
Item Code	3414125	3414124	3369393
Barcode	9310084029592	9310084029578	



INDUSTRIAL PRODUCTS

INDUSTRIAL GEAR BOXES



ALPHA SP RANGE

High quality, mineral oil based extreme pressure gear oils.

Recommended for the lubrication of industrial gear boxes using forced circulate or splash and oil bath lubrication.

FEATURES & BENEFITS

- Sulphur-phosphorous EP additives provide good load carrying ability, reducing gear tooth wear
- Withstands elevated temperatures for extending service life
- Corrosion inhibitors provide ongoing protection of gear teeth
- Excellent demulsification properties help to maintain full lubricating film with no loss of performance
- Anti-foam additives maintain full lubricating film.

SPECIFICATION/TECHNICAL DATA

- DIN classification- CLP
- David brown S1.53.101 Type E
- Flender Rev 16 for Helical-, Bevel- and Planetary Gear Units (ISO VG 150 - 460)
- AGMA 9005 - E02
- Viscosity range: 68, 100, 150, 220, 320, 460, 680
- DIN 51517 Part 3

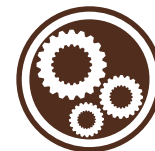
	Alpha SP 68		Alpha SP 100		Alpha SP 150 (Filtered)
Pack Size	20L	205L	20L	205L	1000L
Item Code	4102208	4102211	3343130	3343129	3413905
Barcode	9310084403026	9310084403071	9310084403224	9310084403279	9310084029189

	Alpha SP 150			Alpha SP 220			Alpha SP 220 (Filtered)	Alpha SP 320 (Filtered)
Pack Size	20L	205L	1000L	20L	205L	1000L	1000L	1000L
Item Code	4102212	3336184	4103645	4102746	4102754	4102744	3413903	3413587
Barcode	9310084403422	9310084403477	9310084008382	9310084403620	9310084403675	9310084005411	9310084029196	9310084028793

	Alpha SP 320				Alpha SP 460			
Pack Size	20L	205L	1000L	BULK	20L	205L	1000L	BULK
Item Code	4102123	4102142	3334611	3336219	4103644	4102210	3413667	3326491
Barcode	9310084403828	9310084403873	9310084402807		9310084404023	9310084404078	931008402892	

	Alpha SP 680		
Pack Size	20L	205L	1000L
Item Code	4102786	4102791	3413911
Barcode	9310084404221	9310084404276	9310084029172





INDUSTRIAL PRODUCTS

INDUSTRIAL GEAR BOXES

ALPHASYN PG RANGE

Synthetic gear oil primarily intended for use in worm reduction gear boxes, where the low coefficient of friction of the polyalkylene glycol (PAG) base fluid improves efficiency and consequently reduces power consumption and operating temperatures.

Meets requirements of most OEM's that allow the use of PAG based gear oils.

FEATURES & BENEFITS

- High VI makes it suitable for operations over a wide temperature range
- Low coefficient of friction reduces energy consumption and lowers operating temperatures, leading to longer oil life
- Good thermal and oxidative stability provides reliable operation and extended operating life when compared to mineral oil based products.

SPECIFICATION/TECHNICAL DATA

- Viscosity: 150, 220, 320, 460

	Alphasyn PG 150	Alphasyn PG 220		Alphasyn PG 320	Alphasyn PG 460
Pack Size	20L	20L	208L	208L	208L
Item Code	3412032	3409328	3409327	3410316	3410594
Barcode	9310084027710	9310084026249	9310084026256	9310084026959	9310084027208

ALPHASYN EP RANGE

High quality synthetic lubricant based on poly-alphaolefin (PAO) fluids & sulphur/Phosphorus.

Extreme pressure additive technology providing good thermal and high load carrying capacity.

FEATURES & BENEFITS

- Excellent equipment protection with minimal wear and tear – provides long term equipment performance and reliability
- Synthetic gear oil that provides excellent high temperature stability to extend machine service life
- EP additives protect gears at high temperatures, reducing bearing and gear tooth wear
- High viscosity index provides high film strength at elevated temperatures.

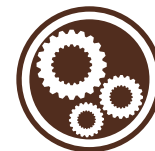
SPECIFICATION/TECHNICAL DATA

- Viscosity: 150, 220, 320, 460, 680 and 1500
- DIN 51517 Part 3
- AGMA 9005 – D94
- AIST 224
- David Brown Type E

	Alphasyn EP 150		Alphasyn EP 220		
Pack Size	20L	205L	20L	205L	1000L
Item Code	3365125	3365126	4102794	4102033	3413897
Barcode	9310084014314	9310084014307	9310084400520	9310084400575	9310084029202

	Alphasyn EP 320				Alphasyn EP 460		
Pack Size	20L	205L	1000L	BULK	20L	205L	1000L
Item Code	4102796	4102795	3412994	3384517	4103659	4102959	3412993
Barcode	9310084400322	9310084400377	9310084028458	9310084024351	9310084400926	9310084400971	9310084028427

	Alphasyn EP 680			Alphasyn EP 1500
Pack Size	20L	205L	1000L	205L
Item Code	3366806	3366805	3413516	3413575
Barcode	9310084016622	9310084016615	9310084028854	9310084028915



INDUSTRIAL PRODUCTS

INDUSTRIAL GEAR BOXES

ALPHA WT RANGE

Fully formulated gear oil specially designed to mix with water when contamination occurs.

Recommended for use wherever Joy TO-HD lubricants are specified or where water contamination of gear boxes is a concern.

FEATURES & BENEFITS

- Formulated with an emulsifier package to provide lubrication in wet environments
- Provides premium wear protection of components.

SPECIFICATION/TECHNICAL DATA

- Exceeds EP performance of Joy TOHD specifications

	Alpha WT 220	Alpha WT 460
Pack Size	205L	205L
Item Code	4102955	4102186
Barcode	9310084015472	9310084000249

OPTIGEAR SYNTHETIC DS

Optigear™ Synthetic DS 100 is a fully synthetic high performance gear lubricant, with a special additive combination, which provides reduced wear in the toothing parts at high loads. These additives are particularly adjusted for the use in CST gears combined with hydraulics and special friction linings.

It also shows significant improved shear stability and excellent air release properties, when compared to other synthetic lubricants. The good long life stability enables longer oil drain intervals compared to traditional mineral oil based fluids.

Castrol Optigear™ Synthetic DS 100 is especially designed for use in CST gears working mostly in subsurface mines.

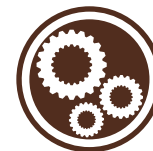
It can also be used in other gear applications, especially where specific friction linings used and also where gear teeth have to be protected against wear.

FEATURES & BENEFITS

- Reduced wear and high protection of gear parts
- High lubricant film stability
- Excellent long life stability
- High shear stability
- Excellent air release properties
- Low energy losses
- Good foam performance
- Good water separation properties.

Pack Size	208L
Item Code	3423563
Barcode	TBC





INDUSTRIAL PRODUCTS

INDUSTRIAL GEAR BOXES

OPTIGEAR SYNTHETIC PD ES RANGE

The Castrol Optigear Synthetic PD ES range is based on synthetic hydrocarbons (PAO) with Castrol's advanced gear oil system which gives special plastic deformation (PD) and surface improvement performance. The additive package, when activated by high specific loads and corresponding temperatures, helps to equalize surface roughness without creating abrasion leading to the surface improvement (plastic deformation).

The Castrol Optigear Synthetic PD ES range may be used in spur gear, bevel gears or planetary gear units and in heavy loaded gear units. It is also suitable for the lubrication of oil-lubricated rolling bearings. It is especially designed to reduce friction losses and can reduce energy consumption compared to more conventional lubricants. The lower friction observed with Castrol Optigear Synthetic PD ES range means less stress in the contact point subsurface area, which means lower risk for pittings and micropittings.

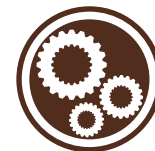
FEATURES & BENEFITS

- High load carrying capacity
- Very low friction coefficient and frictional torque
- Superior micropitting protection
- Surface smoothing effect
- Excellent bearing lubrication suitability
- Good filtration properties
- Long life lubricant.

SPECIFICATION/TECHNICAL DATA

- The Castrol Optigear Synthetic PD ES range is a CLP-HC gear oil (according to DIN 51502) and exceeds the minimum requirements according to DIN 51517, part 3, CLP gear oils and is formulated with detergent type additives
- Castrol Optigear Synthetic PD 220 ES and PD 320 ES gear oils are approved by Flender (Flender gear units - Listing T 7300, Rev. 16, formerly Siemens Mechanical Drives)

	OPTIGEAR SYNTHETIC PD 220 ES			OPTIGEAR SYNTHETIC PD 320 ES		
Pack Size	20L	208L	1000L	20L	208L	1000L
Item Code	3424040	3424039	3424041	3424055	3424054	3424056
Barcode	9310084032004	9310084032011	9310084031991	9310084031977	9310084031984	9310084031960



INDUSTRIAL PRODUCTS

INDUSTRIAL GREASE

MOLUB-ALLOY 860 RANGE

MULTI-PURPOSE HIGH PERFORMANCE GREASE

Castrol Molub-Alloy™ 860 ES greases are high-performance multi-service lithium complex greases formulated from premium petroleum base oils, lubricating solids and a combination of corrosion inhibitors specifically chosen for protection against corrosive process waters. These are designed to extend the service life of bearings in heavy-duty applications and at elevated temperatures. Molub-Alloy 860 ES greases provide an appropriate oil film for applications at slower to moderate speeds, higher loads, and/or higher temperatures sustained for longer periods of time.

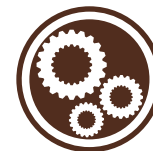
The load carrying and anti-wear capabilities of Molub-Alloy 860 ES greases exceed conventional complex greases.

High performance is the result of chemical additives working synergistically with select Molub-Alloy lubricating solids which are dispersed uniformly throughout the grease. These lubricating solids offer their greatest benefit at slow speeds or when bearings endure heavy loads and shocks. Solids also protect newly machined bearing surfaces during the critical period of 'running in'. Good bearing surfaces are essential for long service life.

FEATURES & BENEFITS

- Excellent friction reduction characteristics due to Molub-Alloy solid lubricants – easier start-up, reduced heat, and reduced energy leading to longer bearing life
- Exceptional water resistance – coating film stays on the surface in the presence of water, even when exposed to the action of hot and chemically active process water
- Excellent EP and anti-wear properties – protects equipment against extreme/shock loading and helps minimise bearing component wear and hence extends equipment life
- Excellent mechanical stability and adhesion – grease keeps its consistency in service ensuring long-term protection and reduced consumption as the film stays between lubricated surfaces
- Outstanding oxidation/thermal stability and high dropping point – provides reliable performance and extended lubricant life in high-temperature applications
- Formulated to address environmental concerns – it is free of antimony, barium, lead, and zinc.

	MOLUB-ALLOY 860/460-2 ES	MOLUB-ALLOY 860/220-2 ES
Pack Size	181.4 KG	181.4 KG
Item Code	3411669	3409979
Barcode	9310084027567	9310084026584



INDUSTRIAL PRODUCTS

INDUSTRIAL GREASE

MOLUB-ALLOY 6040 RANGE

EP GREASES

Castrol Molub-Alloy™ 6040 greases are extreme pressure (EP) multi-service lubricants designed to give outstanding performance in a wide variety of applications. They may be used in either journal or antifriction bearings in the most demanding industrial applications under extreme environmental conditions.

Castrol Molub-Alloy 6040 is manufactured from the highest quality petroleum oil and thickened with a unique calcium complex sulfonate unsurpassed for mechanical shear stability. Castrol Molub-Alloy 6040 greases are compounded with chemical additives for EP characteristics and with select Castrol Molub-Alloy lubricating additives for thin-film, high-pressure anti-wear protection. They are also inhibited against high temperature oxidation and corrosion.

FEATURES & BENEFITS

- Corrosion and oxidation inhibitors maximise rust protection and grease life.
- Operating temperature range of -40°C to +140°C
- The load carrying and anti-wear capabilities of Castrol Molub-Alloy™ 6040 exceed conventional complex greases
- Castrol Molub-Alloy™ 6040 multi-service greases offer excellent oxidation resistance and resist washing out, even under adverse water contamination. This product has been designed to work with aggressive process waters
- Reduced friction due to the effect of the Castrol Molub-Alloy additives is most evident under boundary and mixed-film lubrication conditions. This benefit is most pronounced where frequent start-up, slow speeds or high and unexpected heavy loads are encountered
- Overall savings are derived from the above and result from less labor and downtime, smoother, more efficient operation with longer parts life and extended lubrication cycles.

Additional Information

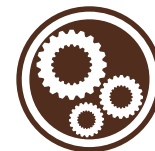
Castrol Molub-Alloy™ 6040 greases should not be mixed with greases using a different thickener.

Relubrication intervals should be increased gradually to ensure the complete removal of the previous lubricant and to use additives to their full advantage.

Castrol Molub-Alloy™ 6040 greases can be applied with grease guns or automatic dispensing systems.

	MOLUB-ALLOY 6040/150		
Pack Size	12x450GM	16.8 KG	181.6 KG
Item Code	3361340	3335336	3335337
Barcode	9310084014246	9310084025303	9310084025297

	MOLUB-ALLOY 6040/460-1 1/2		
Pack Size	12x450GM	20 KG	181.5 KG
Item Code	3424827	3424826	3424825
Barcode	9310084032301	9310084032295	9310084032288



INDUSTRIAL PRODUCTS

INDUSTRIAL GREASE

MOLUB-ALLOY 1000 HT

EXTREME TEMPERATURE GREASE

Castrol Molub-Alloy™ 1000 HT (previously called Molub-Alloy™ 1000) extreme temperature grease utilises synthetic base oils in conjunction with a blend of lubricating solids selected for high temperature service. The synthetic fluids in Molub-Alloy 1000 HT were selected for their controlled low volatility, minimum residue after evaporation and high VI for additional film strength at elevated temperatures.

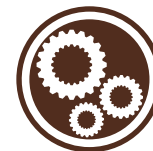
The combination of synthetic fluids and a unique thickening system offers physical stability in prolonged service at high temperatures. Molub-Alloy 1000 HT remains more pliable than conventional high temperature greases.

As a result of the higher viscosity, synthetic base fluids used in Molub-Alloy 1000 HT, the film strength at elevated temperature is superior to that of petroleum base oils. It is also formulated with a combination of rust and oxidation inhibitors for prolonged service life without relubrication.

FEATURES & BENEFITS

- Excellent friction reduction characteristics due to Molub-Alloy solid lubricants – easier start-up, reduced heat, and reduced energy leading to longer bearing life
- Synthetic base fluid and unique thickening system – the combination of synthetic fluids and a unique thickening system offers physical stability in prolonged service at high temperatures. This combination makes Molub-Alloy 1000 HT more pliable than conventional high temperature greases, leading to longer bearing life, extended lubrication cycles and uninterrupted service
- Molub-Alloy 1000 HT grease is engineered for prolonged service from 177°C to 288°C. Molub-Alloy 1000 HT also withstands intermittent exposure to temperatures up to 343°C
- Formulated to address environmental concerns – it is free of antimony, barium, lead, and zinc.

	MOLUB-ALLOY 1000 HT	
Pack Size	12x450 GM	15.8 KG
Item Code	3410350	3410349
Barcode	9310084026850	9310084026843



INDUSTRIAL PRODUCTS

INDUSTRIAL GREASE

MOLUB-ALLOY 777 ES

HIGH PERFORMANCE GREASE

Castrol Molub-Alloy™ 777 ES greases are designed for very heavy duty service in extreme environments.

They are blended and compounded to withstand heavy and shock loading, commonly found in the steel/primary metals, construction, mining, and forest products industries.

Molub-Alloy 777 ES greases are made using a blend of high quality petroleum oils, polymers and Molub-Alloy lubricating solids. These lubricating solids work synergistically with chemical anti-wear and extreme pressure (EP) additives to reduce contact temperatures and wear while providing outstanding protection under extreme pressure and shock load conditions.

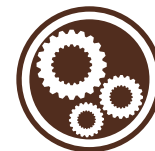
Rust and oxidation inhibiting characteristics are maximised to ensure effective rust protection and the long life of the grease.

FEATURES & BENEFITS

- Excellent friction reduction characteristics due to Molub-Alloy solid lubricants – easier start-up, reduced heat, and reduced energy leading to longer bearing life
- Excellent mechanical stability – grease keeps its consistency in service ensuring long term protection
- Easily pumpable in central lubrication systems
- Excellent water resistance – coating film stays on the surface even in the presence of water
- Protects against copper and steel corrosion
- Excellent EP and anti-wear properties – protects equipment against extreme/shock loading and helps minimise bearing components wear and extend equipment life.

	MOLUB-ALLOY 777-1 ES	
Pack Size	20 KG	181.4 KG
Item Code	3391457	3410104
Barcode	9310084025273	9310084026645

	MOLUB-ALLOY 777-2 ES			
Pack Size	12x450 GM	20 KG	181.4 KG	BULK KG
Item Code	3378492	3380201	3410638	3378517
Barcode	9310084020964	9310084021374	9310084027093	N/A



INDUSTRIAL PRODUCTS

AIR COMPRESSOR OILS

AIRCOL SN RANGE

Range of synthetic diester based compressor lubricants, suitable for very severe operating conditions. Primarily recommended for reciprocating compressors.

FEATURES & BENEFITS

- Low volatility and high flash points for enhanced safety
- Combined minimal deposit forming tendency with long drain potential, reduces maintenance and downtime.

SPECIFICATION/TECHNICAL DATA

- Viscosity: 68 and 100 available

	Aircol SN 100	
Pack Size	20L	205L
Item Code	4103663	4103662
Barcode	9310084413629	9310084413674

AIRCOL SR RANGE

Range of synthetic based, high performance air compressor oils formulated to provide a significantly longer service life in modern oil flooded rotary screw compressors, especially when compared to conventional mineral oil based products.

Suitable for use in all single and two stage oil flooded rotary screw compressors, both stationary and portable types.

FEATURES & BENEFITS

- Very low deposit forming tendency, extends service life of filters and separators
- Meets the requirements of Atlas Copco 8000 hour oil drain interval
- Outstanding oxidation stability and antiwear performance providing long lubricant and equipment life.

SPECIFICATION/TECHNICAL DATA

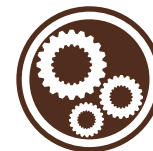
- Viscosity: 46 and 68 available
- DIM 51506 classification VDL
- ISO 6743/3- DAG, DAH and DAJ for rotary air compressors
- Meets requirements of Atlas copco 8000 hour oil drain intervals
- Kaeser

	Aircol SR 46		Aircol SR 68		
Pack Size	20L	205L	20L	205L	1000L
Item Code	3348769	3348768	4102201	4103672	3412302
Barcode	9310084414626	9310084414671	9310084414824	9310084414879	9310084027918



INDUSTRIAL PRODUCTS

AIR COMPRESSOR OILS



AIRCOL CM RANGE

The Castrol Aircol™ CM compressor oil range of high quality lubricants are based upon highly refined mineral oil, enhanced with additive technology providing excellent thermal and oxidative stability and good load carrying capacity, compared to other products in the same class.

Aircol CM grades are formulated without zinc additives (ashless oils), recommended for the lubrication of rotary screw and reciprocating compressors.

SPECIFICATION/TECHNICAL DATA

- Viscosity: 32, 46, 68, 100
- ISO 6743-3 compressor oils
- DAA and DAB for reciprocating (piston) and drip free rotary air compressors
- DAG and DAH for oil-flooded rotary screw air compressors
- Meet the requirements of the DIN 51506 VDL classification for reciprocating compressors having air discharge temperatures up to 220°C.

	Aircol CM 32	
Pack Size	20L	205L
Item Code	3427161	3427162
Barcode	9310084032912	9310084032929

	Aircol CM 46	
Pack Size	20L	205L
Item Code	3427971	3427972
Barcode	9310084033193	9310084033209

	Aircol CM 68			
Pack Size	3 x 4L	20L	205L	1000L
Item Code	3427998	3427997	3427996	3427995
Barcode	9310084033216	9310084033223	9310084033230	9310084033247
Tun Code	19310084033213			

	Aircol CM 100		
Pack Size	20L	205L	1000L
Item Code	3427163	3427164	3428864
Barcode	9310084032912	9310084032929	9310084033384



INDUSTRIAL PRODUCTS

HEAT TRANSFER OILS



PERFECTO HT 5

Castrol Perfecto HT 5 is based on a solvent-refined, high viscosity index mineral oil specially selected for its high thermal and oxidation stability.

FEATURES & BENEFITS

- Tightly controlled specification helps minimise deposits in heat exchangers in order to maintain heat transfer efficiency
- High operating temperature capability in closed systems with temperatures up to 320°C permitted.

SPECIFICATION/TECHNICAL DATA

- Perfecto HT 5 is primarily intended for use in closed heat transfer systems with bulk temperatures up to 320°C. It can also be used in open systems at much lower bulk oil temperatures
- Perfecto HT 5, because of its solvency and high thermal stability serves as excellent Turbine Flushing oil

Pack Size	205L	1000L	BULK
Item Code	4102841	3413161	3305683
Barcode	9310084466571	9310084028472	

PERFECTO HT 12

Castrol Perfecto HT 12 is based on a solvent-refined, high viscosity index mineral oil specially selected for its high thermal and oxidation stability.

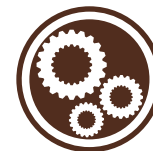
FEATURES & BENEFITS

- Controlled specification helps minimise deposits in heat exchangers in order to maintain heat transfer efficiency
- High operating temperature capability in closed systems with temperatures up to 300°C permitted.

SPECIFICATION/TECHNICAL DATA

- Perfecto HT 12 is primarily intended for use in closed heat transfer systems with bulk temperatures up to 300°C
- It can also be used in open systems at much lower bulk oil temperature

Pack Size	205L	BULK
Item Code	3336186	3336165
Barcode	9310084466779	



INDUSTRIAL PRODUCTS

FIRE RESISTANT HYDRAULIC FLUIDS

ANVOL PE 46 B

Castrol Anvol™ PE 46 B is a high-performance fire resistant hydraulic fluid which is primarily intended for use in steam turbine governor and boiler control systems. It is based on butylphenyl phosphate esters selected for their excellent hydrolytic stability and contains carefully selected corrosion and oxidation inhibitors. It has excellent hydraulic performance and provides good fire risk protection.

FEATURES & BENEFITS

- Offers good fire risk protection in systems where fire resistance is vital and where water containing fluids are unsuitable due to temperature limitations or the need to maintain a high hydraulic system pressure
- High flash point, fire point and auto-ignition temperature provides excellent fire resistance
- High resistivity eliminates spool valve corrosion/erosion due to electrokinetic effects
- Low chlorine level minimises valve erosion
- High level of fluid cleanliness - minor amounts of particulate contamination can cause abrasive wear, filter blockage and valve sticking.

SPECIFICATION/TECHNICAL DATA

- Meets the requirements of major OEMs such as General Electric, Siemens, Mitsubishi Hitachi Power Systems and Alstom
- Meets requirement of FM Global against Standard 6930 for 'Less flammable hydraulic fluids '
- Meets the requirements of ISO Standard 12922 and ASTM D4293 for HFDR-type fire-resistant hydraulic fluids.

Pack Size	20L	205L
Item Code	3427625	3427624
Barcode	9310084033100	9310084033117

ANVOL WG 46

Castrol Anvol™ WG 46 is an HF-C type water-glycol fire resistant hydraulic fluid, containing anti-wear additives and corrosion inhibitors. It provides excellent protection against rust and vapor phase corrosion. In hydraulic pump tests, Anvol WG 46 has shown high levels of anti-wear performance. Its foam resistance, low temperature flow, emulsion stability and storage stability are also excellent.

FEATURES & BENEFITS

- Excellent anti-wear performance: gives wear protection and reduces downtime from unscheduled maintenance
- Excellent Fire resistance: cannot be ignited in spray ignition tests
- Excellent glycol in water stability: true solution means longer service and storage life
- Outstanding corrosion protection: provides protection below the liquid surface and in the vapour phase
- Exceptionally low pour point: ensures consistent performance over a wide temperature range.

SPECIFICATION/TECHNICAL DATA

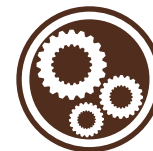
Anvol WG 46 meets the fire resistance requirements of:

- 7th Luxembourg Report
- FM Global 6930

Pack Size	205L	1000L
Item Code	4103719	3350469
Barcode	9310084314674	9310084314612

INDUSTRIAL PRODUCTS

METAL WORKING OILS



ALMAREGE BI

Castrol Almaredge BI is a general purpose soluble metalworking fluid which is chlorine and boron-free. It contains a unique additive package that provides good lubrication properties and performs well in a wide water range.

FEATURES & BENEFITS

- Boron free for environmental compliance and improved residue characteristics
- Chlorine and nitrate free to fulfil local legislation, waste treatment and environmental requirements
- Versatile product suitable for wide range of materials and operations
- Low foam in recommended water conditions.

SPECIFICATION/TECHNICAL DATA

- Almaredge BI is a versatile product recommended for general machining on low-medium alloy steel and aluminium alloys

Pack Size	205L
Item Code	3413640
Barcode	9310084029103

HYSOL MB 50

Castrol Hysol MB 50 is a high performance soluble metal working fluid, which is chlorine and formaldehyde releasing agent free. It contains a unique additive package that works in synergy to enhance machining performance and surface finish, provide excellent product stability, improve bio-resistance properties and lower the overall operations costs.

FEATURES & BENEFITS

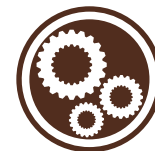
- Formaldehyde releasing free to comply with health and safety regulations
- Chlorine and nitrite free to fulfil your local legislation, waste treatment and environmental requirements
- Resists fungal and bacterial attack to extend fluid life and reduce maintenance and machine downtime
- Low foam in recommended water conditions
- Good anti-corrosion properties to protect machine tools and parts
- Advanced lubricity compounds ensure improved tool life and part quality
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components
- Unique multi-functional product for multi-metal operations results in product consolidation.

SPECIFICATION/TECHNICAL DATA

- Hysol MB 50 is suitable for large central systems and single sump machines

Pack Size	20L	205L
Item Code	3376114	3376115
Barcode	9310084019043	9310084019050





INDUSTRIAL PRODUCTS

METAL WORKING OILS

HYSOL X

Castrol Hysol X is a high performance soluble metalworking fluid which is chlorine free. It contains an additive package that works in synergy to enhance machining performance and surface finish, provide excellent product stability, improve bio-resistance properties and lower the overall operations costs.

FEATURES & BENEFITS

- Chlorine and nitrite free to fulfill your local legislation, waste treatment and environmental requirements
- Resists fungal and bacterial attack to extend fluid life and reduce maintenance and machine downtime
- Low foam in recommended water conditions
- Good anti-corrosion properties to protect machine tools and parts
- Advanced lubricity components ensure improve tool life and part quality in steel machining
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components
- Multi-functional product for multi-metal operations results in product consolidation.

SPECIFICATION/TECHNICAL DATA

- Hysol X is suitable for large central systems and single sump machines

Pack Size	20L	205L
Item Code	4102413	4103535
Barcode	9310084279928	9310084279973

ILOCUT 154

Castrol Ilocut 154 is a chlorine and heavy metal free neat cutting oil.

FEATURES & BENEFITS

- Advanced additive technology gives high extreme pressure lubricity properties and lowering production costs through extended tool life
- Improved surface finish and increased cutting speeds leads to improvement of process efficiency
- Multi-metal compatibility using our superior additive technology provides opportunity for product consolidation
- Our chlorine and heavy metal free formulation improves the environmental profile and reduces disposal costs.

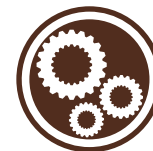
SPECIFICATION/TECHNICAL DATA

- Ilocut 154 is designed for general machining of medium alloyed steel and non-ferrous metals

Pack Size	205L
Item Code	3345469
Barcode	9310084215476

INDUSTRIAL PRODUCTS

METAL WORKING OILS



ILOCUT 170

Castrol Ilocut 170 is a chlorinated, heavy metal free neat cutting oil.

FEATURES & BENEFITS

- Advanced additive technology gives high lubricity properties and lowers production costs through extended tool life
- Excellent wetting characteristics reduce drag out and result in lower product usage
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation
- Good filtering characteristics and high oxidation stability increases product lifetime.

SPECIFICATION/TECHNICAL DATA

- Ilocut 170 is mainly designed for gun drilling of ferrous and non-ferrous metals. It can be further used for honing and general machining application

Pack Size	205L
Item Code	4102558
Barcode	9310084217074

ILOCUT 482

Castrol Ilocut 482 is a medium viscosity, chlorinated neat cutting oil.

FEATURES & BENEFITS

- Advanced additive technology gives high extreme pressure lubricity properties and lowers production costs through extended tool life
- Improved surface finish and increased cutting speeds leads to improvement of process efficiency
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation.

SPECIFICATION/TECHNICAL DATA

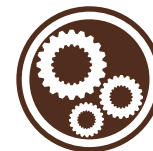
- Ilocut 482 is designed for general machining, grinding and broaching of cast iron to high alloy steels and non-ferrous metals

Pack Size	205L
Item Code	3335176
Barcode	9310084008047



INDUSTRIAL PRODUCTS

METAL WORKING OILS



ILOCUT 534

Castrol Ilocut 534 is a medium viscosity, chlorinated, high performance neat cutting oil.

FEATURES & BENEFITS

- Advanced additive technology gives high extreme pressure lubricity properties and lowers production costs through extended tool life
- Improved surface finish and increased cutting speeds leads to improvement of process efficiency
- Economic product suitable for a wide range of machining applications.

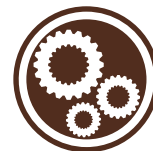
SPECIFICATION/TECHNICAL DATA

- Ilocut 534 has been designed for drilling and deep hole drilling of steels, stainless steel and difficult steel alloys (such as Inconel)
- Product contains active sulphur and is not compatible with yellow metals

Pack Size	20L
Item Code	3357052
Barcode	9310084013805

INDUSTRIAL PRODUCTS

METAL WORKING OILS



ILOFORM PN 135

Castrol Iloform PN 135 is a very low viscosity (1.5cst) neat oil based on a non-flammable volatile solvent with synthetic lubricity additives. The product offers excellent lubricity characteristics and is chlorine and sulphur free.

FEATURES & BENEFITS

- Minimum residue so in majority of cases parts may not require cleaning prior to further downstream applications
- Chlorine and sulphur free
- Trace amounts of residues act as a corrosion inhibiting film
- Excellent wetting characteristics
- Lubricity additives increase die and punch life and improves surface finish
- Can also be used on copper and copper alloys
- Offers pleasant working conditions.

SPECIFICATION/TECHNICAL DATA

- Primarily designed for forming and stamping of both ferrous and non-ferrous metals where a high level of part cleanliness is required
- Offers very good lubrication, die and punch protection and evaporation properties with minimum residue

Pack Size	205L
Item Code	4103531
Barcode	9310084002526

ILOFORM PN 223

Castrol Iloform PN 223 is a low viscosity, chlorine and heavy metal free, metal stamping fluid. It is a blend of high lubricity boundary lubrication additives, in a low odour, de-aromatised hydrocarbon.

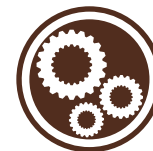
FEATURES & BENEFITS

- Excellent health, safety and environmental profile. Formulated on mild odour, very low aromatic de-aromatised hydrocarbon and free from chlorinated and heavy metal containing constituents such as Barium
- Contains high performance boundary lubricants which maximise punch life and provide excellent surface finish. Minimises costs associated with tool repolishing
- Reliable short term corrosion protection minimises rework costs
- Quick drying, low residue characteristics can eliminate requirements for inter process cleaning
- Superior wetting provides thin, homogenous lubricating film
- Low viscosity. Maximises flushing effect to aid removal of particulates from punches and dies, minimising component defects. Reduces drag out rates hence reduces product consumption
- Low odour and improved working environment. Excellent operator acceptability.

Pack Size	205L
Item Code	3367723
Barcode	9310084016424

INDUSTRIAL PRODUCTS

METAL WORKING OILS



ILOFORM PN 224

Castrol Iloform PN 224 is a very low viscosity, neat forming and stamping oil. It is based on a volatile solvent and contains fatty and chlorinated lubricity additives.

FEATURES & BENEFITS

- Fatty lubricity additives help to prevent scoring and scratching which supports excellent surface finish and high dimensional accuracy
- Chlorinated EP additives help to enhance die life
- Low viscosity provides excellent metal wetting and penetration
- Quick drying, low residue characteristics can eliminate requirements for inter process cleaning
- Trace amounts of residue act as an inter-operational corrosion inhibiting film
- Does not contain chlorinated solvents.

SPECIFICATION/TECHNICAL DATA

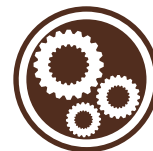
- Iloform PN 224 is specially formulated for use in light duty, light stamping and roll-forming operations where very low residues are required

Pack Size	205L
Item Code	4102882
Barcode	9310084222474



INDUSTRIAL PRODUCTS

ROCK DRILL OILS



BIO RDC

Biodegradable vegetable oil based rock drill compound specifically developed to provide improved operator safety, reduced environmental impact and exceptional lubrication performance.

Recommended where there are drilling operators near environmentally sensitive areas such as lakes, aquifer systems and delicate ecosystems.

FEATURES & BENEFITS

- Free from petroleum hydrocarbons and hence will not interfere with the chemical analysis of the site
- Water in oil invert emulsion, which provides low tendency to mist for improved health and safety of operators.

	Bio RDC		
Pack Size	3 X 4L	20L	205L
Item Code	4103044	3414459	3414458
Barcode	9310084435546	9310084029899	9310084029882
Tun Code	39310084435547		

MAGNA RD

For use in mining, quarrying, constructions, road works, tunnelling and excavations.

Consist of selected mineral oils specially compounded with lubricity fortifiers, corrosion inhibitors, emulsifiers and tackiness additives.

Recommended for the following well-known companies including Gardner-Denver, Atlas Copco and SIG.

FEATURES & BENEFITS

- High film strength
- Ability to absorb excess water when 'wet air' or wet drilling attachments are present
- Provide a suitable seal between piston and cylinder
- Reduced wear, helps maintain maximum percussion efficiency and allows operation in conditions of high or low temperatures
- Preferentially adhere to metal surfaces and resist blow-off
- Improved protection wear against wear caused by poor lubrication
- Reduced wear, allows operation in conditions of high or low temperatures.

SPECIFICATION/TECHNICAL DATA

- ISO Viscosity Grade 100, 150, 320

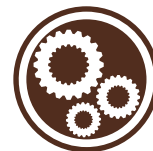
	MAGNA RD 100		MAGNA RD 150		
Pack Size	4L	205L	20L	205L	1000L
Item Code	3427100	3427099	3413491	3413490	3413492
Barcode	9310084032868	9310084032851	9310084028762	9310084028779	9310084028755
Tun Code	19310084032865				

	MAGNA RD 320			
Pack Size	5L	20L	205L	1000L
Item Code	3413668	3410773	3410772	3410774
Barcode	9310084028847	9310084016875	9310084016868	9310084016851
Tun Code	19310084016889			



INDUSTRIAL PRODUCTS

TRANSFORMER OILS



PERFECTO TR IN

Castrol Perfecto TR IN (previously called Inhibited Transformer Oil) is a pure mineral hydrocarbon oil, specially refined and blended from selected crudes. It is an inhibited product, optimised for high performance to meet the stringent requirements of International Standards IEC 60296, Edition 4.0, 2012 02.

FEATURES & BENEFITS

- High dielectric strength and low power loss
- Excellent resistance to oxidation leading to enhanced equipment life
- Excellent cooling properties
- High purity and flash point
- Excellent low temperature fluidity allowing use in extreme climates.

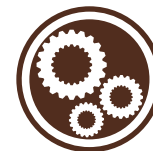
SPECIFICATION/TECHNICAL DATA

- Designed for use as a high performance transformer, switchgear and circuit breaker oil which conforms to the international specification IEC60296:2012, inhibited oil

Pack size	208L
Item Code	3428775
Barcode	9310084033339

INDUSTRIAL PRODUCTS

TURBINE OILS



PERFECTO X RANGE

The Castrol Perfecto X turbine oil range of lubricants is based upon premium quality mineral oils enhanced with rust and oxidation inhibitors to give maximum protection at high temperatures.

Castrol Perfecto X grades are recommended for industrial gas turbines where the lubricant is likely to be exposed to very high localised temperatures. They are also suitable for the lubrication of steam turbines and Combined Cycle generating systems where the steam and gas turbines share a common supply.

Castrol Perfecto X grades possess excellent air release performance, a high resistance to foaming and excellent water separation properties.

FEATURES & BENEFITS

- High resistance to oxidation and thermal degradation provides a very long life lubricant because of low deposit/ lacquer formation
- Excellent water separation and corrosion inhibition mean reduced down time through prolonged lubricant life and increased equipment reliability
- Excellent air release properties mean they meet the requirements of all turbine manufacturers
- Suitable for the lubrication of both gas and steam turbines makes them applicable for Combined Cycle generating stations.

SPECIFICATION/TECHNICAL DATA

Perfecto X range meet or exceed the requirements of:

- BS 489: 1999
- DIN 51515 Part 1 (L-TD)
- DIN 51515 Part 2 (L-TG)
- General Electric
- GEK 32568k
- GEK 46506E
- GEK 107395A
- Alstom HTGD 90117
- Siemens TLV 9013 04
- Siemens TLV 9013 05

	PERFECTO X 32		PERFECTO X 32 SUPERCLEAN	
Pack size	20L	205L	1000L	BULK
Item Code	3426205	3414529	3415356	3414597
Barcode	9310084032806	9310084032929	9310084030208	

	PERFECTO X 46		
Pack size	20L	205L	1000L
Item Code	3426206	3414528	3419585
Barcode	9310084032813	9310084029981	9310084031069

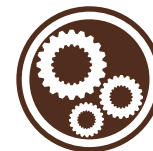
	PERFECTO X 68	
Pack size	20L	205L
Item Code	3427103	3413637
Barcode	9310084032882	9310084028991

	PERFECTO X 100	
Pack size	20L	205L
Item Code	3428488	3428487
Barcode	9310084033315	9310084033322



INDUSTRIAL PRODUCTS

TURBINE OILS



PERFECTO XEP RANGE

The Castrol Perfecto XEP range of turbine oils is formulated from severely hydro treated premium mineral base stocks together with a complex additive system to provide requisite anti wear performance and oxidative stability.

FEATURES & BENEFITS

- Meets or exceeds a wide range of both steam and gas turbine specifications
- Designed for a wide range of applications making it possible to rationalise grades without risk of misapplication
- Excellent thermal/oxidation stability
- Good water separation and corrosion inhibition performance.

SPECIFICATION/TECHNICAL DATA

- The Perfecto XEP range is primarily intended for the lubrication of highly loaded industrial gas turbines, aero derivative power turbines and driven machinery and turbo machinery where the lubricant is exposed to high local temperatures during operation and the heat soaking period during run down
- The Perfecto XEP range possess the requisite air release, foaming and water separation properties for steam turbines making them suitable and compliant for gas and steam turbines in single train sharing a common oil reservoir
- Specific Grades within the Perfecto XEP range meet or exceed the requirements of:
 - BS 489 1999
 - DIN 51515 Part 1 (L-TD) & Part 2 (L-TG)
 - General Electric GEK
 - GEK 28143b
 - GEK 32568k
 - GEK 46506E
 - GEK 101941A
 - GEK 107395A
 - General Electric Oil & Gas
 - ITN 52220.02
 - ITN 52220.03
 - Alstom HGTD 90117
 - Siemens
 - TLV 9013 04
 - TLV 9013 05
 - MAT812108
 - MAT812109
 - Solar ES 9-224 AA Class II

	PERFECTO XEP 32 SUPERCLEAN	PERFECTO XEP 46 SUPERCLEAN	
Pack size	1000L	205L	1000L
Item Code	3414705	3414704	3414703
Barcode	9310084030031	9310084030048	9310084030055

ISSUE: **E013**
MOTORCYCLE**TECH TALK - EXPERT TO EXPERT**CASTROL TECHNICAL HELPLINE
1300 557 998**EXTRACT ULTIMATE PERFORMANCE FROM YOUR BIKE****MODERN ENGINES PUSH OIL TO EXTREMES. LOW QUALITY LUBRICANTS MAY NOT ADEQUATELY PROTECT VITAL ENGINE COMPONENTS.**

Using a quality synthetic oil can increase engine life and enhance performance. Today's high-precision, high performance four-stroke motorcycle engines push the engine oil to its absolute limit.

Motorcycle engines produce a lot of power for their weight, driven by high engine speeds of 15,000 RPM or more. The engine is a very compact system and combines the clutch and gear components, all of which use the same oil. An ideal 4T motorcycle oil has to meet the different requirements of the **engine, clutch** and **gears**. The circulating oil faces huge thermal stress as it transfers heat away from low mass components under high power conditions. High piston speeds and high power output generate extreme temperatures - with little place for that heat to go.

1. THE ENGINE

The push for increased performance and reduced noise and emissions has led to increasingly complex multivalve designs. The use of advanced lightweight materials, lower tolerances, and higher precision components mean today's motorcycle engine oils face significantly higher mechanical pressures and temperatures.

The oil acts as a liquid bearing and carries enormous loads. Between the cam and valve follower, extreme forces try to tear the oil apart. The zinc and phosphorous-based additive ZDDP is used to increase wear protection. At the same time, the oil must prevent deposits building up. These will stop the piston rings sealing properly. Advanced dispersant and detergent additives are required as fuel combustion tends to produce carbon, acids, varnish and other deposits that can eventually choke an engine. Over thousands of miles and millions of firing cycles, these additives degrade and deplete - this is why engine oil must be changed regularly.

Temperature control is the single biggest challenge for a motorcycle oil. Motorcycles use relatively simple cooling systems; either compact liquid cooling or a combination of air and oil cooling.



Air-cooled bikes can easily overheat in dense city traffic and water-cooled bikes used for short journeys may not allow the oil to reach optimal temperatures. This can accelerate engine wear. The oil has to adapt to a very wide range of operating conditions and demands: the right engine oil is one that keeps its shape and strength over time and in extremes of heat and cold.

2. THE CLUTCH

Motorcycle clutches are like the engines they serve - compact, high performing and highly stressed. With every gear change the slipping and gripping plates generate enormous heat. The primary purpose of the oil here is to cool the clutch and prevent the bending and burning that would otherwise damage the rings and plates.

It's a delicate balancing act between friction and slip - with the oil caught in the middle. Friction modified oils will struggle to maintain grip between the plates and rings and can lead to clutch slip (the driving components spin without transferring all the power through the clutch to the road).

If the oil friction is too high, the clutch may snatch or grab when engaged giving poor power take up when pulling away or during gear changes. If the viscosity of the oil is too high, the clutch may drag and fail to disengage with the lever pulled in. This is a particular problem when the engine is cold and in motorcycle clutches where the operating movements are quite small.

3. THE GEARBOX

Behind the clutch lies another high-stress zone the oil protects: the gearbox. A gearbox is manufactured with extremely high precision. This means a compact design, tight tolerances and the use of finely machined components. Increased stress comes through ever increasing speed, power and narrower gear sets. This results in huge pressures between the meshing teeth - adding additional stress to the oil. Heat uncoils the polymers used in multi-grade oil and makes it more vulnerable to the high shearing action of the gears trying to tear it apart. Four-stroke motorcycle oils demand specially selected components to resist shear and maintain load carrying capacity.

During operation, the faces of the gears scrape against each other under load: this can cause scuffing or scoring of the gears and the teeth can knock and hammer against one another. This can cause surface stresses within the gears that weaken the hardening on the surface of the teeth making them vulnerable to pitting.

Ultra-low viscosity engine oil commonly used in cars may impact the protection and performance of the gears. In motorcycles, higher viscosities provide full gear protection without compromising the flow or friction properties needed for engine and clutch performance.

The Race Derived Technology in Castrol POWER1 Racing, developed through a long and successful association with motorsport teams - including Castrol LCR Honda - has been proven to dramatically reduce friction.

Castrol POWER1 Racing motorcycle engine oil is designed to flow fast and stay strong, reducing internal engine friction even under the most arduous riding conditions.



POWER1 RACING 2T

Full synthetic 2-stroke engine oil with proven performance in extreme race conditions.

It is specifically designed for the latest generation of high output air and water-cooled Japanese and European 2-stroke on and off road motorcycle engines.

It may also be used in Go-Kart racing engines, or wherever Castrol ACTIV 2T is recommended.

FEATURES & BENEFITS

- High protection formula enhances throttle response for fast acceleration
- Significantly reduced exhaust smoke
- Suitable for both oil injection and premix lubrication, up to a fuel/oil ratio of 50:1.

SPECIFICATION/TECHNICAL DATA

- JASO FD
- API TC+
- ISO-L-EGD

Pack Size	1L	4L
Item Code	3384385	3384384
Barcode	9310084029011	9310084029004



POWER1 RACING 4T 5W-40

Full synthetic 4-stroke engine oil suitable for use in high performance and competition 4-stroke, Japanese and European motorcycle engines, including all high performance multi-cylinder, multi-valve, V-Twin, air or water-cooled sports or race replica models.

POWER1 RACING 4T has a race proven formula that demonstrates outstanding clutch friction control, gear wear control, engine wear protection and cleanliness in competition applications.

FEATURES & BENEFITS

- Ensures optimum engine performance, providing increased acceleration under the most arduous riding conditions
- Enhanced engine smoothness throughout the rev range
- Superior engine wear protection
- Excellent wet clutch friction control even in competition applications
- Superior engine cleanliness promoting longer engine life.

SPECIFICATION/TECHNICAL DATA

- JASO MA-2
- API SL

Pack Size	1L	4L	205L
Item Code	3418602	3356991	3374972
Barcode	9310084030949	9310084015700	9310084015694





POWER1 RACING 4T 10W-40

Full synthetic 4-stroke engine oil suitable for use in high performance and competition 4-stroke, Japanese and European motorcycle engines, including all high performance multi-cylinder, multi-valve, V-Twin, air or water-cooled sports or race replica models.

POWER1 RACING 4T has a race proven formula that demonstrates outstanding clutch friction control, gear wear control, engine wear protection and cleanliness in competition applications.

FEATURES & BENEFITS

- Ensures optimum engine performance, providing increased acceleration under the most arduous riding conditions
- Enhanced engine smoothness throughout the rev range
- Superior engine wear protection
- Excellent wet clutch friction control even in competition applications
- Superior engine cleanliness promoting longer engine life.

SPECIFICATION/TECHNICAL DATA

- JASO MA-2
- API SL
- Recommended by Triumph for all 4-stroke models

Pack Size	1L	4L
Item Code	3384357	3418672
Barcode	9310084024276	9310084030970



POWER1 RACING 4T 10W-50

1L SKU 3418486 DISCONTINUED, NOT AVAILABLE BEYOND Q1 2022

Castrol POWER1 RACING 4T 10W-50 is a fully synthetic engine oil for modern, high performance 4-stroke sports bikes that increases engine acceleration and power right up to maximum rpm.

Castrol POWER1 RACING 4T, using 'Race Derived Technology' based on Castrol's long and successful racing association, flows fast and stays strong, reducing internal engine friction even under the most arduous riding conditions.

It has been tested and proven to deliver exceptional acceleration and power at the touch of the throttle.

The added Castrol advantage of Trizone Technology™ ensures uncompromised performance protection - ultimate performance for extreme riding.

FEATURES & BENEFITS

- Ultimate performance in extreme riding - oil flows fast and stays strong, reducing internal engine friction
- Tested and proven to deliver exceptional acceleration at the touch of the throttle
- Fully synthetic 4-stroke motorcycle engine oil with Trizone Technology™ protection of engine, clutch and gears
- Complies with requirements of catalyst equipped engines.

SPECIFICATION/TECHNICAL DATA

- API SL
- JASO MA-2

Pack Size	4L
Item Code	3418487
Barcode	9310084030932





MOTORCYCLE

POWER1 4T 10W-30

Castrol POWER1 4T 10W-30 is an advanced, premium quality engine oil designed for latest generation 4-stroke motorcycle engines. Its 'Power Release Formula' helps to flow fast and reduces internal power losses to friction, giving maximum and sustained power right up to very high operating rpm.

It has been tested and proven to deliver superior acceleration at the touch of the throttle.

The added Castrol advantage of Trizone Technology™ ensures uncompromised performance protection.

FEATURES & BENEFITS

- Tested and proven to deliver superior acceleration at the touch of the throttle
- Power Release formula helps to flow fast and reduces internal engine losses to friction
- Trizone Technology™ for protection of engine, clutch and gears
- Complies with requirements of catalyst equipped engines.

SPECIFICATION/TECHNICAL DATA

- API SL
- JASO MA-2

Pack Size	1L	4L
Item Code	3418651	3418650
Barcode	9310084030956	9310084030963



POWER1 4T 10W-40

Part synthetic, advanced premium 4-stroke engine oil for high performance bikes.

POWER1 4T 10W-40 exceeds the requirements of API SJ, SH, SG, SF and SE and is thus suitable for service use in the majority of Japanese and European machines including those fitted with turbochargers.

FEATURES & BENEFITS

- Fast flowing Power Release formula reduces internal losses in engine
- Excellent wear control, particularly in cams
- Easy starting and stable idle while cold
- Race proven high temperature clutch slip control and minimal low temperature clutch drag for easier, smoother gear changes
- Enhanced clutch pack life even under arduous conditions like Drag Racing and Superbikes.

SPECIFICATION/TECHNICAL DATA

- API SJ

Pack Size	1L	4L	20L	205L
Item Code	3384361	3384362	3384363	3384364
Barcode	9310084029028	9310084023989	9310084023996	9310084024245



MOTORCYCLE



POWER1 R 40

REPLACES R 30 & R 40

Castrol POWER1 R 40 is a castor-based lubricant containing specifically prepared additives to prevent rapid deterioration through oxidation. Its superior oiliness over mineral oils, imparted by the chemical structure of its components, gives it a great affinity for hot surfaces and provides excellent load-carrying properties which is an important consideration with highly stressed engines running at peak revolutions.

FEATURES & BENEFITS

- Suitable for both 4 and 2-stroke racing engines
- Specifically formulated for racing car and bike engines
- Provides outstanding lubricity and load-carrying capacity.

Pack Size	6 x 1L
Item Code	3421046
Barcode	9310084031441
TUN Code	19310084031448



ACTIV 2T

Modern, high quality 2-stroke engine oil suitable for use in all 2-stroke Japanese and European motorcycle engines.

FEATURES & BENEFITS

- Provides continuous protection against the build-up of carbon deposits on the engine and spark plug, ensuring fast and reliable starting
- Improved piston and combustion chamber cleanliness.

SPECIFICATION/TECHNICAL DATA

- JASO FD
- ISO-L-EGD

Pack Size	1L	4L	20L
Item Code	3413904	4100596	3334412
Barcode	9310084029516	9310084003530	9310084006340



MOTORCYCLE



ACTIV 4T 15W-50

Modern high quality engine oil specifically for 4-stroke engines.

Developed with wear protection formula ensures continuous protection throughout the drain interval so that you can start and go in confidence.

FEATURES & BENEFITS

- Significantly reduces engine wear during start-up and warm-up
- Improved engine cleanliness, promoting longer engine life
- Enhanced gear wear protection for transmission gears.

SPECIFICATION / TECHNICAL DATA

- JASO MA-2
- API SL

Pack Size	1L	4L	205L
Item Code	3384527	3384526	3384525
Barcode	9310084028977	9310084003516	9310084024252



FORK OIL (5W, 10W & 15W)

PRODUCT RANGE DISCONTINUED, NOT AVAILABLE BEYOND Q1 2022

Highly stable suspension oil.

Recommended for use in motorcycle forks and shocks for on-road, off-road and competition use.

FEATURES & BENEFITS

- Provides protection against wear and corrosion and minimises the effect of foam or air entrainment on the fork.

SPECIFICATION/TECHNICAL DATA

Viscosity Rating:

- Fork Oil 5 ISO 15
- Fork Oil 10 ISO 32
- Fork Oil 15 ISO 46

	Fork Oil 5W	Fork Oil 10W	Fork Oil 15W
Pack Size	6 X 1L	6 X 1L	6 X 1L
Item Code	3356277	3356407	3356278
Barcode	9310084012808	9310084012815	9310084012822



MOTORCYCLE



MTX PART SYNTHETIC

REPLACED MTX

A high performance transmission oil designed for 2-stroke motorcycle transmissions, on-road, off-road and in-racing applications.

Recommended for transmissions of 2-stroke models of Aprilla, Cagiva, Honda, Kawasaki, Suzuki, Vespa and Yamaha with separate transmission cases. Also suitable for certain Harley Davidson motorcycle transmissions and final drives.

FEATURES & BENEFITS

- Synthetic based oil designed to enhance the performance of the latest generation of on and off-road motorcycles
- Outstanding film strength for extended life of transmission components
- Superior anti-fade performance and protection of clutch plate components.

SPECIFICATION/TECHNICAL DATA

- SAE 75W-80, 10W-30
- API Service Classification GL-4

Pack Size	6 X 1L
Item Code	3377679
Barcode	9310084020155



POWER1 A747

Castrol Power1 A747 is a high performance castor/synthetic 2-stroke lubricant. It is designed primarily for use in water-cooled, motorcycle engines of very high specific power output, as well as high performance racing Go-Kart engines.

The product utilises a carefully balanced castor/synthetic base oil mix which has demonstrated excellent load bearing characteristics and resistance to piston scuffing.

Castrol Power1 A747 is a race proven lubricant that demonstrates outstanding engine wear protection and cleanliness in competition applications.

FEATURES & BENEFITS

Castrol Power1 A747 provides superior performance in many areas compared to most mineral based two stroke oils, namely:

- Excellent crankshaft lubrication
- Excellent piston lubrication
- Very low rate of piston ring wear
- Throttle slide lubrication during wet racing.

Pack Size	1L
Item Code	3420100
Barcode	9310084031397





CHAIN SPRAY O-R REPLACED CHAIN OIL AEROSOL

High performance chain lubricant that provides overall protection and longer service life to motorcycle chains and sprockets.

Suitable for motorcycle chains and sprockets and suitable for standard O-Ring and X-Ring chains. It is also useful on spark plug threads and nut and bolt threads subject to high temperatures.

FEATURES & BENEFITS

- Outstanding lubrication and protection under extreme conditions
- Resistant to water wash-off
- Protection against corrosion and aggressive environments
- Reduced friction helping to maximise power transfer and reduce wear.

Pack Size	6 x 250G
Item Code	3377680
Barcode	9310084020384



FOAM AIR FILTER OIL

Specially formulated for applications to "wet type" foam air filters fitted to 4 and 2-stroke engines.

FEATURES & BENEFITS

- Provides excellent performance in preventing airborne dirt and abrasive particles from passing through the air intake system into the combustion chamber.

Pack Size	6 x 300G
Item Code	3357643
Barcode	9310084012839





OUTBOARD 2T

REPLACES SUPER OUTBOARD PLUS 2-STROKE

Self-mixing fully tested and approved TC-W3™ standard 2-stroke outboard oil.

Recommended for all water cooled outboard motors, including Force, Mariner, Johnson, Evinrude, Mercury, Chrysler, Suzuki, Tohatsu and Yamaha. It is suitable for premixed fuel oil or for direct oil injection systems.

It can be used with fuel/oil ratios of up to 100/1 (as specified by the engine manufacturer).

FEATURES & BENEFITS

- Superb anti-wear properties to ensure excellent engine protection
- Exceptional overall engine cleanliness and reduced spark plug fouling
- Excellent corrosion and storage protection.

SPECIFICATION/TECHNICAL DATA

- Meets NMMA TC-W3

Pack Size	3 x 4L	6 x 1L	20L
Item Code	3377729	3377726	3377727
Barcode	9310084020322	9310084020292	9310084022623
Tun Code	19310084020329	19310084020299	





SEAMAX SUPER PLUS 15W-40

Seamax Super Plus 15W-40 is a mineral based Super High Performance Diesel engine oil specifically selected to meet the lubrication demands of fishing vessels.

FEATURES & BENEFITS

- Superior soot dispersancy
- Cleaner and more efficient operation
- Reduced maintenance
- Excellent oil consumption control.

SPECIFICATION/TECHNICAL DATA

- Seamax Super Plus 15W-40 is suitable for use in turbocharged and naturally aspirated engines operating on both gasoline or marine gas oil

Pack Size	20L	205L
Item Code	3349728	3349726
Barcode	9310084009327	9310084010446





CHAINSAW OIL

REPLACES SAW CHAIN AND BAR LUBE

An adhesive lubricant suitable for all chainsaw types.

Recommended for saw chains and cutter bars of chainsaws with automatic oiling systems.

FEATURES & BENEFITS

- Anti-corrosive properties limit failure and repair costs
- Increased lubrication improves cutting speed and performance.

Pack Size	6 x 1L	3 x 4L	20L
Item Code	3378045	3378044	3378042
Barcode	9310084020278	9310084020285	9310084022517
Tun Code	19310084020275	19310084020282	



GARDEN 2T

REPLACES 2T SELF MIX

A 2-stroke engine oil recommended for 2-stroke lawnmowers, lawn edgers, chainsaws and stationary engines.

FEATURES & BENEFITS

- The formula is very clean burning. This means cleaner combustion chambers, exhaust ports and mufflers
- Good piston and cylinder lubrication
- Mixes rapidly with fuel, dyed blue for easy identification. With unleaded petrol, the fuel/oil mix turns a pale green colour.

SPECIFICATION/TECHNICAL DATA

- Jaso FB

Pack Size	200ML	6 x 1L	3 x 4L	20L
Item Code	3379988	3379986	3379987	3379989
Barcode	9310084022944	9310084022968	9310084022951	9310084022937
Tun Code	19310084022941	19310084022965	19310084022958	



GARDEN 4T 10W-30

NEW PRODUCT COMING IN OCTOBER 2019

Castrol Garden 4T 10W-30 is a modern engine oil for garden machinery with a formulation that ensures enhanced engine cleanliness and durability. is suitable for four stroke gasoline engines in lawn care and garden equipment where the manufacturer recommends API SN or earlier specifications. It is also suitable for diesel engines requiring API CF lubricants or earlier.

FEATURES & BENEFITS

- Multigrade 10W-30 enables reliable engine start-up year round
- Fights deposits and maintains engine cleanliness
- Excellent protection against engine wear and corrosion
- Suitable for a wide range of garden equipment with 4-stroke gasoline or diesel engines requiring API SN/CF or earlier specification.

SPECIFICATION/TECHNICAL DATA

- API SN/CF

Pack Size	6 x 1L
Item Code	3421498
Barcode	9310084031526
Tun Code	19310084031523



CLEANING PRODUCTS



BIOTRANS QB

High foaming biodegradable detergent for removing dirt, traffic haze, oil and grease from all vehicles. May be used for washing boats and motorcycles.

FEATURES & BENEFITS

- Has quick-break properties to assist in waste water disposal via separator equipment
- Suits a multitude of applications which can reduce inventory of products on site
- Suitable for use in hard, soft and salt water environments
- Enables thorough cleaning of surfaces and can be foamed.

TECHNICAL DATA/DIRECTIONS FOR USE

- Suitable for manual or machine applications, including pressure cleaners

Pack Size	3 x 5L	20L	200L	1000L
Item Code	3369086	3369084	3369085	3369083
Barcode	9310084014611	9310084014604	9310084014598	9310084014581
Tun Code	19310084014618			



CARECLEAN LIME

Water based, heavy-duty hand cleaner with a pleasant lime fragrance developed to remove a range of soils and provide excellent skincare and conditioning.

Well suited to a range of industries where it is a very effective hand cleaner for the removal of a wide range of soils including grease, grime, soot, ink and many other contaminants.

Ideal for manufacturing, rural and handyman applications.

FEATURES & BENEFITS

- Contains optimum concentration of natural abrasive beads to gently massage the skin removing ingrained dirt and grease without being too harsh in removing the skin's natural oils
- Contains aloe vera to enhance soothing and conditioning of the skin
- Multi-purpose reduces the need for numerous hand cleaners.

TECHNICAL DATA/DIRECTIONS FOR USE

- Colour: green
- Apply approx. 5ml to hands that have not been pre-moistened and massage into skin
- Rinse off with cold or warm water

Pack Size	4 x 4L	3 x 5L	20L
Item Code	3334599	3410663	3410664
Barcode	9310084004582		
Tun Code	39310084004583		





HAIR AND BODY WASH

High foaming shampoo for use in cleansing of skin and hair.

Suitable for use in industrial shower complexes where its special cleansing ingredients are effective on tough soils while its mildness ensures it is non-irritant to most skins.

FEATURES & BENEFITS

- Blend of gentle cleansing agents and conditioners contains a pleasant fragrance and leaves the skin and hair feeling soft and refreshed
- Highly concentrated, allowing economical use
- Fully biodegradable and therefore environmentally friendly
- Contains no harsh ingredients, minimising irritation when used on sensitive skin
- Effective in both hard and soft water.

TECHNICAL DATA/DIRECTIONS FOR USE

- After wetting, apply to skin and hair, working into a rich lather using hands, sponge or cloth

Pack Size	4 x 4 Dispenser	20L	200L
Item Code	3335046	4105283	4105103
Barcode	9310084008665	9310084524028	9310084524073
Tun Code	19310084008662		

MINECLEAN

Multi-purpose, biodegradable, water based heavy duty detergent/degreaser.

Suitable for covering most cleaning requirements on a mine site, including workshop floors, pressure cleaning, light/heavy vehicle washing and degreasing.

Also suitable for janitorial tasks such as washroom floors/walls, painted/tiled surfaces, bench tops and vinyl/plastic surfaces.

FEATURES & BENEFITS

- Economical to use as can be diluted up to 80:1 dilution with water
- Suitable for use in various environments – in both fresh bore or salt water
- Versatile and can be used on most surfaces.

TECHNICAL DATA/DIRECTIONS FOR USE

- For vehicle cleaning, 1:1 to 4:1 for large equipment and 20:1 for trucks, cars, 4WDs
- For vehicle interiors, 20:1 to 40:1
- For floors and paths, 40:1 to 5:1 (dirty oil surfaces)
- For general surface cleaning, 10:1 to 80:1
- For high pressure cleaners/automatic floor cleaners, 50:1 heavy duty, 80:1 light duty

Pack Size	20L	200L	1000L
Item Code	4105432	4105386	4105447
Barcode	9310084500121	9310084500176	9310084501647





CLEANING PRODUCTS

MOP S

Effective oil and liquid absorbent based on a granular inert diatomaceous earth sourced in Australia.

Industry uses include absorption requirement in garages, workshops, tanneries, packaging, oil/paint stores, lift wells, mastic floors. Can also be used in pattern making and floor ash trays.

Domestic uses include pet trays, oil drip trays, organic gardens, snail deterrent, potting, laundry, garbage bin, cellars and aquariums.

FEATURES & BENEFITS

- Safe, hygienic, handy and has many applications
- Health and safety acceptable as non-flammable in itself
- Easy to transport as solid but light in weight
- Starts absorbing immediately for effective spill clean-up
- Excellent absorbency and will draw up approx. its own weight in oil.

TECHNICAL DATA/DIRECTIONS FOR USE

- Colour: whitish brown inert neutral and odourless granular product
- 30L bag will cover approx. 14sqm to a depth of 3mm
- Replace when saturation is reached – black colour where soaking up oil. Dark brown when acids, water and other liquids are spilt.

Pack Size	30L
Item Code	3343275
GTIN-13	9310084005633

ENGINE SHAMPOO

Modern driving creates combustion by-products that can build up in your oil. When these cake and accumulate they form layers of sludge that can harm engine performance, especially in the latest precision engines.

Castrol Engine Shampoo helps to maintain engine power and efficiency by dissolving away and flushing out sludge during the oil change process.

Castrol Engine Shampoo is recommended for use in automotive engines as part of routine oil changes.

FEATURES & BENEFITS

- This innovation - Castrol PCA - is so powerful it can even dissolve away sludge that has already formed in your engine
- Helps maintain engine power and efficiency by removing deposits from the surface of moving engine parts
- Designed as a parts-friendly formulation, will not attack engine seals and other parts in spite of powerful cleaning power
- Very simple to use: add Castrol Engine Shampoo to the engine, run at idle for ten minutes and then change the engine oil as usual.

TECHNICAL DATA/DIRECTIONS FOR USE

- Powerful Cleaning Agent "PCA" provides superior cleaning performance

Pack Size	6 x 300ML
Item code	3418104
Barcode	9310084030659
Tun Code	19310084030656



CLEANING PRODUCTS



MULTICLEAN

Premium performance, high foaming biodegradable degreaser detergent which effectively removes dirt, oil and grease from hard surfaces.

Suitable for maintenance cleaning in the workshop, marine industry, factory, mining maintenance, office, food preparation and processing areas.

Can be used for all on and off-road vehicles and equipment.

FEATURES & BENEFITS

- A multifunctional product for use at various dilutions.

TECHNICAL DATA/DIRECTIONS FOR USE

- Colour – opaque, yellow thixotropic liquid
- pH approx. 11
- For degreasing engines/machinery, dilute 1:1 to 1:4 with water
- For vehicle/equipment washing, dilute 1:19 with water
- For concrete floors/steel surfaces, dilute 1:40 with water
- For pressure cleaning, dilute 1:30 to 1:80 with water
- For food industry, dilute 1:100 with water

Pack Size	20L	200L	1000L
Item Code	4105280	4105315	3354059
Barcode	9310084501517	9310084501524	9310084000034

MULTI-PURPOSE DEGREASER

For degreasing and cleaning ferrous and non-ferrous metals, glass, wood, ceramics and concrete.

Ideal for cleaning engines, machines, workshop floors and automotive components.

FEATURES & BENEFITS

- Formulated using biodegradable emulsifiers
- Convenient and ready to use, just spray on and wash off with low pressure water
- Washes off easily with water then separates so that excess oils and dirt can be retained in a grease trap
- One product for most degreasing operations
- No "oily" residue.

TECHNICAL DATA/DIRECTIONS FOR USE

- Can be used with brush, swab, spray or an immersion tank
- General purpose degreasing and cleaning – use neat

Pack Size	3 x 5L	20L
Item Code	3335472	4105342
Barcode	9310084007729	9310084533020
Tun Code	19310084007726	

CLEANING PRODUCTS



QB 100 DEGREASER

Quick-break degreaser allowing rapid separation of oil and grease residues from cleaning solutions in line with modern effluent disposal requirements.

May be used in a wide variety of degreasing applications on all metals, glass, wood, ceramics and concrete.

Ideal for cleaning engines, machinery, automotive components and workshop floors.

FEATURES & BENEFITS

- Easy and convenient to use as can be sprayed on and washed off with water
- Quick break properties for separation of grease and oil
- High flash point, reduced risk of fire.

TECHNICAL DATA/DIRECTIONS FOR USE

- Can be used with brush, swab, spray or in an immersion tank
- Apply on the surface, allow time for product to penetrate the soil (5-10 minutes) and rinse off with fresh water or wipe with a rag/paper wipe
- Residues should be collected in an effluent pit or sump

Pack Size	20L	205L
Item Code	4105347	4105281
Barcode	9310084538025	9310084538070



WONDERCLEAN

Multipurpose, water based cleaner suitable for removal of difficult stains from most surfaces including concrete, metal, timber, laminex, vinyl and painted surfaces.

May be used for degreasing and cleaning engines.

Also suitable for removing marks from car interiors, particularly vinyl and velour surfaces.

FEATURES & BENEFITS

- Highly concentrated, economical to use
- Suitable for use with hot and cold water; in fresh or salt water
- Versatile as can be used on most surfaces
- Non-flammable, so health and safety acceptable
- Pleasant fragrance, leaving the surface smelling fresh and clean
- Free rinsing – leaves no streaks or oily film
- Easy to apply – manual or equipment applications. Simply spray on and wipe off
- Multi-purpose product, reducing number of products required.

TECHNICAL DATA/DIRECTIONS FOR USE

- Non-flammable
- Water based
- Suitable for use in pressure cleaners
- Highly concentrated liquid; can be diluted up to 150:1 ratio with water

Pack Size	20L	200L
Item Code	4105319	4105256
Barcode	9310084562020	9310084562075



DIESEL EXHAUST FLUID



ADBLUE

Castrol AdBlue® is a high quality AUS/32 Diesel Exhaust Fluid conforming to the ISO 22241 specification. Made under license from Verband der Automobilindustrie e.V. (VDA).

TECHNICAL DATA/DIRECTIONS FOR USE

The ISO 22241 specification consists of five sections. Castrol AdBlue® conforms to all sections of ISO 22241 as outlined below.

ISO 22241-1:2019 Diesel engines -- NOx reduction agent AUS 32 -- Part 1: Quality requirements

ISO 22241-2:2019 Diesel engines -- NOx reduction agent AUS 32 -- Part 2: Test methods

ISO 22241-3:2017 Diesel engines -- NOx reduction agent AUS 32 -- Part 3: Handling, transportation, and storage

ISO 22241-4:2019 Diesel engines -- NOx reduction agent AUS 32 -- Part 4: Refilling interface

ISO 22241-5:2019 Diesel engines -- NOx reduction agent AUS 32 -- Part 5: Refilling interface for passenger cars

INSTRUCTIONS FOR USE

- Fill into the designated tank for DEF/AUS. Do not fill into diesel/ fuel tanks
- Once opened, the container should be consumed in full to avoid contamination and negative impact on product quality
- Avoid contamination with fuel or oil. Use a dedicated spout to pour Castrol AdBlue® into the tank
- Keep away from dust and dirt.

Pack Size	6X1L	10L	20L	205L
Item Code	3423684	3423681	3423681	3428015
Barcode	9310084031878	9310084031892	9310084031908	9310084033254
Tun Code	19310084031875			



Disclaimer

Despite our efforts, the information contained in this brochure may not be accurate, up to date or applicable to the circumstances of any particular case. We have taken every reasonable precaution to ensure that the steps outlined in this brochure section are safe. However, the information is for general use and it is your sole responsibility to ensure that the grease you use is appropriate for your application.

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For professional, plain language advice about Castrol Products, call our:

Technical Help Line Australia: 1300 557 998

To make any comments about Castrol products and services call:

Customer Service and Orders: 1300 554 890