



Moving your fleet forward

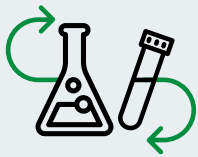
Castrol Commercial Vehicles Product Catalogue

Around the world

Castrol, one of the world's leading lubricant brands, serves customers and consumers in the automotive, marine, industrial and energy sectors.



Footprint in
160+
countries



20+
manufacturing
plants



Pioneering

We've been pioneering lubricant technology for over 125 years working with businesses like yours who rely on commercial vehicles.



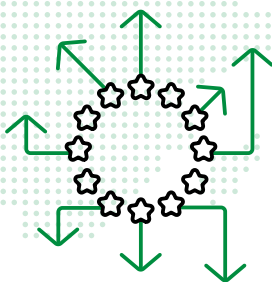
Expertise

With our expertise and knowledge, we have developed products and solutions to meet the unique challenges of the sector. Helping customers stay ahead of changing environmental and compliance demands.





5 technology centres
Pangbourne (UK), Wayne (USA),
Shanghai (China), Hamburg and
Mönchengladbach (Germany)



180+
distributors in Europe

Our partnerships are about winning technology, innovation, offers and programs. They are about working together and growing the Castrol brand – the most respected lubricants brand in the world.

Our distributor numbers change with time as we welcome more like-minded partners to Castrol.



Offers

Castrol offers advanced oils, fluids and greases, digital tools and expert services including state-of-the-art oil analysis to help you to improve operational efficiency, reduce downtime and move forward every day.



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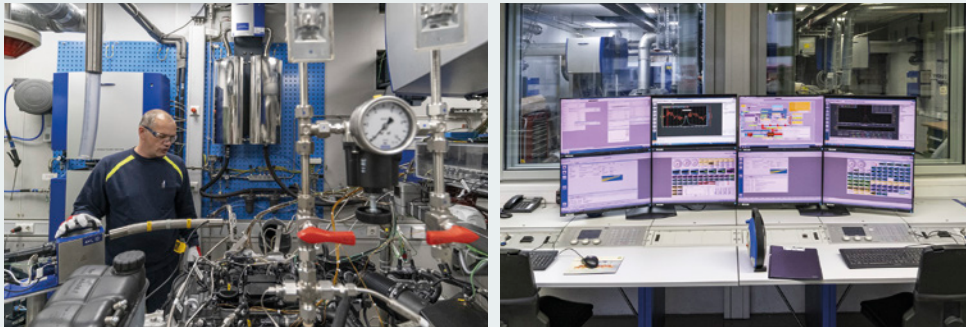
The packaging shown in the catalogue may vary from the actual supplied finished product and is subject to change without notice.

Products driven by research & innovation

Science and technology are central to us providing our customers with brands which deliver the performance and reliability of the machinery they depend on.

Our technology teams bring together the best thinking and ideas from wherever it exists. Not only do we pull together scientific expertise from within BP, but we also work closely with leading scientists, universities, our customer's engineers and specialist companies.

Our **five global R&D centres** work on the science and technologies which underpin the performance of our brands.



We develop and test hundreds of new products every year and our teams work closely with leading industry original equipment manufacturers, who we supply with a broad range of lubricants designed for particular operating conditions and environments.

Many of our products carry OEM approvals by major commercial vehicle manufacturers.

Our brands & technologies

Castrol's product offer for Commercial Vehicles is based on a power brand strategy with a two-brand structure for engine oils, Castrol VECTON and Castrol CRB, a single brand for Drivelines, Castrol TRANSMAX (transmission, axel and universal fluids) supported by Castrol RADICOOOL coolants, SPHEEROL greases and HYSPIN for hydraulics.

All brands come with leading edge technologies which can give the right solution to problems customers face on a daily basis.

Engine oils

For the owners and operators of all commercial vehicles, efficiency and reliability are time and money. Every day you need to make sure that your vehicle performs well and no unexpected failure occurs. Minimising unscheduled downtime is key to keeping your business running smoothly and delivering on your promise.



Castrol VECTON with System Pro Technology™ is a range of advanced diesel engine oils formulated with extra performance reserve for longer useful oil life.



WITH **SYSTEMPRO**
TECHNOLOGY™



Castrol CRB diesel engine oils provide excellent protection to commercial vehicle engines helping them to operate efficiently and last longer.



WITH **DURASHIELD**
TECHNOLOGY™

Driveline fluids

With the continuous evolution of vehicle technology over recent years, transmissions have become more complex, demanding more technologically advanced fluids to ensure they operate with efficiency and reliability.



Axle & universal fluids: As commercial vehicles become heavier, axle fluids have become more critical for vehicle reliability. Getting the right oil is key to ensuring your rear axle operates as designed and is protected.

Transmission fluid: Using the right oil for your vehicle is key to ensuring your transmission operates as designed and maintains its performance throughout the lifetime of the vehicle.



Coolants & Grease

Our integrated, full fluids product offer is completed by specialities. Whether it is a grease, a coolant or a hydraulic fluid, with all of them being equally important, Castrol has the right solution for all Commercial Vehicle needs.



Product applications

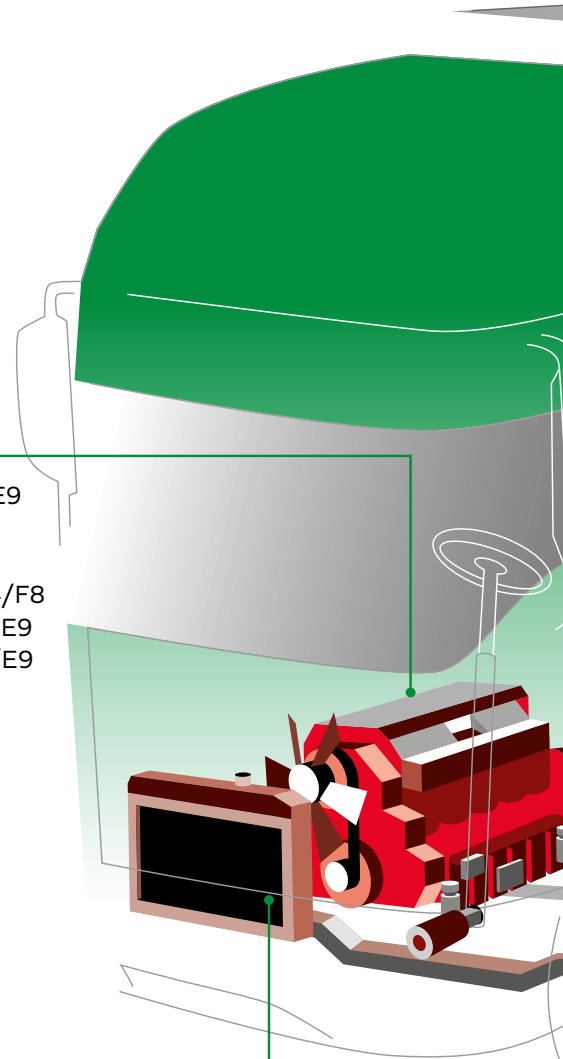
We've got every fluid your vehicles need

Engine

- Castrol VECTON Long Drain 5W-30 E6/E9
- Castrol VECTON 5W-30 F-trucks CK-4
- Castrol VECTON Long Drain 5W-30 E7
- Castrol VECTON Long Drain 5W-30 FA-4/F8
- Castrol VECTON Long Drain 10W-30 E6/E9
- Castrol VECTON Long Drain 10W-40 E6/E9
- Castrol VECTON Long Drain 10W-40 E7
- Castrol VECTON 15W-40 CK-4/E9
- Castrol CRB Monograde 10W CF
- Castrol CRB Monograde 30 CF
- Castrol CRB Monograde 40 CF/CF2
- Castrol CRB Turbomax 10W-40 E4/E7
- Castrol CRB Multi 15W-40 CI-4/E7
- Castrol CRB Multi 20W-50 CH-4

Radiator

- Castrol RADICOOOL SF
- Castrol RADICOOOL SF Premix
- Castrol RADICOOOL
- Castrol RADICOOOL Premix
- Castrol RADICOOOL NF
- Castrol RADICOOOL NF Premix
- Castrol RADICOOOL Si-OAT
- Castrol RADICOOOL Si-OAT Premix



King Pin

- Castrol SPHEEROL AP 3

Fifth Wheel

- Castrol SPHEEROL EPL 2
- Castrol SPHEEROL LMM

Wheel Bearings

- Castrol LMX Li-Komplexfett
- Castrol High Temperature Grease

Chassis Grease

- Castrol CLS Grease

Differentials & Gear Drives

- Castrol TRANSMAX Limited Slip Z 85W-90
- Castrol TRANSMAX Limited Slip 75W-90
- Castrol TRANSMAX Axle Long Life 75W-90
- Castrol TRANSMAX Axle Long Life 75W-140
- Castrol TRANSMAX Axle Long Drain 80W-90
- Castrol TRANSMAX Axle EPX 85W-140
- Castrol TRANSMAX Axle EPX 85W-90
- Castrol TRANSMAX Axle EPX 80W-90

Transmission

Manual & Automatic

- Castrol TRANSMAX Manual Z Long Life 75W-80
- Castrol TRANSMAX Manual Long Life 75W-85
- Castrol TRANSMAX Manual EP 80W-90
- Castrol TRANSMAX Manual EP 80W
- Castrol TRANSMAX Manual AT 75W-90
- Castrol TRANSMAX ATF Z
- Castrol TRANSMAX ATF DX III Multivehicle
- Castrol TRANSMAX Universal LL 80W-90
- Castrol TRANSMAX Universal LL 75W-90
- Castrol TRANSMAX Universal 75W-90

Pins & Bushes

- Castrol LMX Li-Komplexfett
- Castrol High Temperature Grease

Clutch Bearings

- Castrol LMX Li-Komplexfett
- Castrol High Temperature Grease

The product recommendations made here are appropriate in many makes and models within this equipment type. However, please be sure to consult the OEM manual to ensure that the recommended Castrol product meets the OEM lubricant recommendations and / or specification for each particular component.

Commercial Vehicles

Engine Oils



High performance
engine oils for
commercial vehicles



Engine Oils

Specification & Approvals	VECTON Long Drain	VECTON	VECTON Long Drain	VECTON Long Drain	VECTON Long Drain	VECTON Long Drain
	5W-30	5W-30	5W-30	5W-30	10W-30	10W-40
	E6/E9	F-Trucks CK-4	E7	FA-4/F8	E6/E9	E6/E9
ACEA	E6, E8, E9, E11		E4, E7		E6, E7, E9, E11	E6, E7, E8, E9, E11
API	CK-4	CK-4		FA-4	CJ-4	CJ-4
JASO	DH-2				DH-2	DH-2
CAT	ECF-3				ECF-3	ECF-3
Cummins	CES 20086		CES 20077	CES 20087	CES 20081	CES 20081
Daimler Trucks	DTRF 15C110 (MB 228.51) MRO DTRF 15C100 (MB 228.31), MRO DTRF 15C120 (MB 228.52)		DTRF 15B120 (MB 228.5)	DTRF 15C130 (MB 228.61)	DTRF 15C110 (MB 228.51)	DTRF 15C110 (MB 228.51)
Deutz	DQC IV-18 LA		DQC IV-18		DQC IV-18 LA	DQC IV-18 LA
Ford	Meets WSS-M2C213-A1	Meets WSS-M2C213-A1				
Mack	EOS-4.5		EO-N		EO-O Premium Plus EOS-4.5	EO-O Premium Plus EOS-4.5
MAN	M3677 M3775 MRO M3271-1 MRO M3477		M3277		MRO M3271-1 MRO 3477	MRO M3271-1 MRO 3477
MTU	Oil Category 3.1		Oil Category 3		Oil Category 3.1	Oil Category 3.1
Renault Trucks	RLD-3		RLD-2		RLD-3	RLD-3
Scania	LDF-4		LDF-3			
Volvo	CNG VDS 4.5		VDS-3		CNG VDS-4 VDS-4.5	CNG VDS-4 VDS-4.5
Other	DDC DFS 93K222 Meets DAF extended drain requirements For Iveco trucks requiring ACEA E6, E7, E9			DDC DFS 93K223	DDC Powerguard 93K218 Meets DAF PX Euro VI requirements	For Iveco trucks requiring ACEA E6, E7 and E9 Meets DAF Euro VI requirements

MRO - Meets requirements of

Find the lubricant that best suits your fleet's needs

VECTON Long Drain	VECTON	CRB Monograde	CRB Monograde	CRB Monograde	CRB Turbomax	CRB Multi	CRB Multi
10W-40	15W-40	10W	30	40	10W-40	15W-40	20W-50
E7	CK-4/E9	CF	CF	CF/CF-2	E4/E7	CI-4/E7	CH-4
E4, E7	E9, E11				E4, E7	E7	
CF	CK-4	CF	CF	CF, CF-2, SF	CI-4	CI-4, SL	CH-4
	DH-2				DH-1		
	ECF-3					ECF-2	
	CES 20086				CES 20077 CES 20078	CES 20077 CES 20078	
DTFR 15B120 (MB 228.5)	DTFR 15C100 (MB 228.31)				DTFR 15B120 (MB 228.5)	DTFR 15B110 (MB 228.3)	
DQC III-18	DQC III-18 LA				DQC III-18	DQC III-18	
	Meets WSS-M2C171-F1						
EO-N	EOS-4.5				EO-N	EO-M Plus EO-N	
M3277	M3775				M3277	MRO M3275-1	
Oil Category 3	Oil Category 2.1				Oil Category 3	Oil Category 2	
RLD-2	RLD-3				RLD-2	RLD-2	
LDF-3							
VDS-3	VDS-4.5				VDS-3	VDS-3	
Meets DAF requirements	DDC DFS 93K222				DDC Powerguard 93K215	DDC Powerguard 93K215	

Engine Oils



Maximise your drain interval, maximise your **profit.**



Modern trucks use new technologies to make as much as 30% higher torque, but that also brings higher engine temperatures and pressures.

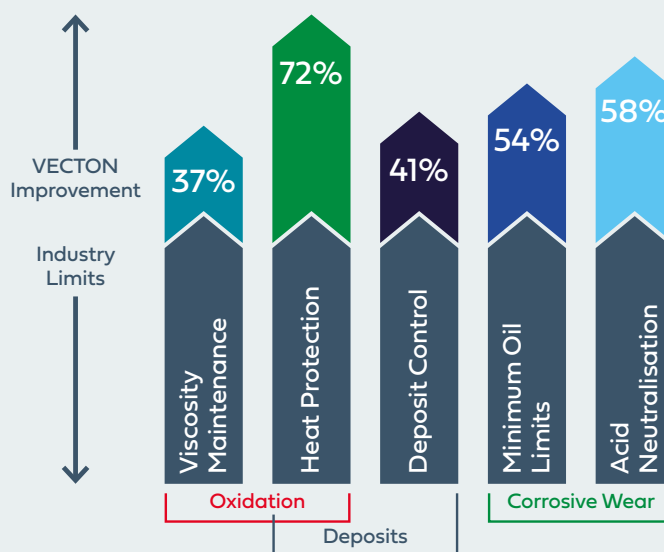
This can lead to accelerated oxidation and oil thickening, increased build-up of deposits, and rapid depletion of the oil's acid-controlling reserves. All of which pushes the oil closer to breakdown and reduces useful oil life.

Castrol VECTON with System Pro Technology™ has an extra performance reserve that fights oil breakdown by helping to control oxidation, reduce deposits, neutralise harmful acids, and also adapts to higher temperatures, maintaining viscosity.

Castrol VECTON gives longer useful oil life, giving you confidence in your maximum drain interval.

Castrol VECTON range – up to 45% Extra Performance Reserve*

Castrol VECTON Performance by Category



*Extra Performance Reserve (EPR) is an average by which it exceeds the API and ACEA industry requirements and based on tests conducted on 81% of the Castrol VECTON range by volume based on 12 months sales up to March 2017.

Find the lubricant that best suits your fleet's needs



Castrol VECTON Long Drain 5W-30 E6/E9

Castrol VECTON Long Drain 5W-30 E6/E9 with System Pro Technology™ is an advanced full synthetic heavy-duty diesel engine oil for use in highly rated diesel engines meeting Euro I to Euro VI emission requirements.

It is suitable for engines with or without particulate filters, for most EGR engines and for most engines fitted with SCR NOx reduction systems.

It is strongly recommended for engines fitted with particulate filters and is designed for use in combination with low sulphur diesel fuel.

- Delivers up to 45% extra performance reserve* that fights oil breakdown and also adapts to higher temperatures and pressures for longer useful oil life.
- Excellent performance at low temperatures.
- Maintains the efficiency of exhaust after-treatment systems ensuring continued compliance with emissions legislation.

Specifications

ACEA E6, E8, E9, E11; API CK-4; Cat ECF-3; Cummins CES 20086; Daimler DTFR 15C110 (MB 228.51); Detroit Diesel 93K222; Deutz DQC IV-18 LA; JASO DH-2; Mack EOS-4.5; MAN M 3677, M 3775; MTU Category 3.1; Renault Trucks RLD-3; Scania LDF-4; Volvo CNG, VDS 4.5; For Iveco trucks requiring ACEA E6/E7/E9; Meets DAF Extended Drain; Meets Ford WSS-M2C213-A1; Meets Requirements of Daimler DTFR 15C120 (MB 228.52), Daimler DTFR 15C100 (MB 228.31), MAN M 3477, MAN M 3271-1

Available in:

1000L, 208L, 20L, 5L



Castrol VECTON Long Drain 5W-30 E7

Castrol VECTON Long Drain 5W-30 E7 with System Pro Technology™ is an advanced full synthetic heavy-duty diesel engine oil for use in highly rated diesel engines meeting Euro I to Euro V emission requirements¹.

It is suitable for engines without particulate filters, for some EGR engines and for some engines fitted with SCR NOx reduction systems.

- Delivers up to 45% extra performance reserve* that fights oil breakdown and also adapts to higher temperatures and pressures for longer useful oil life.
- Excellent performance at low temperatures.

¹Not for use in Euro IV/V/VI vehicles requiring low SAPS lubricants. For these applications we recommend Castrol VECTON Long Drain 5W-30 E6/E9

Specifications

ACEA E4, E7; Cummins CES 20077; Deutz DQC IV-18; DTFR 15B120 (MB 228.5); Mack EO-N; MAN M 3277; MTU Oil Category 3; Renault Trucks RLD-2; Scania LDF-3; Volvo VDS-3

Available in:

208L, 20L



Castrol VECTON Long Drain 5W-30 FA-4/F8

Castrol VECTON Long Drain 5W-30 FA-4/F8 is an advanced full synthetic heavy duty diesel engine oil for use in high speed 4-stroke diesel engines and is compatible with diesel engines fitted with EGR and the latest exhaust after treatment systems such as; DPF, DOC and/or SCR.

It is specifically engineered for the more stringent fuel economy limits of the MB-Approval 228.61.

- Delivers up to 45% extra performance reserve* that fights oil breakdown and also adapts to higher temperatures and pressures for longer useful oil life.
- Maintains the efficiency of exhaust after-treatment systems ensuring continued compliance with emissions legislation.

Specifications

API FA-4; Cummins CES 20087; DDC DFS 93K223; DTFR 15C130 (MB228.61)

Available in:

1000L, 208L

*Extra Performance Reserve (EPR) is an average by which it exceeds the API and ACEA industry requirements and based on tests conducted on 81% of the Castrol VECTON range by volume based on 12 months sales up to March 2017.



Castrol VECTON 5W-30 F-Trucks CK-4

Castrol VECTON 5W-30 F-Trucks CK-4 with System Pro Technology™ is an advanced full synthetic heavy duty diesel engine oil specifically developed for the Ford Ecotorq Euro VI truck engines.

- Delivers up to 45% extra performance reserve* that fights oil breakdown and also adapts to higher temperatures and pressures for longer useful oil life.

- Maintains the efficiency of exhaust after-treatment systems ensuring continued compliance with emissions legislation.

Specifications

API CK-4; Meets requirements of Ford WSS-M2C213-A1

Available in:
208L



Castrol VECTON Long Drain 10W-30 E6/E9, 10W-40 E6/E9

Castrol VECTON Long Drain 10W-30 E6/E9 (part synthetic) and Castrol VECTON Long Drain 10W-40 E6/E9 (full synthetic) with System Pro Technology™ are advanced heavy-duty diesel engine oils for use in highly rated diesel engines meeting Euro I to Euro VI emission requirements.

They are suitable for engines with or without particulate filters, for most EGR engines and for most engines fitted with SCR NOx reduction systems. They are strongly recommended for engines fitted with particulate filters and is designed for use in combination with low sulphur diesel fuel.

- Deliver up to 45% extra performance reserve* that fights oil breakdown and also adapts to higher temperatures and pressures for longer useful oil life.
- Tested for extended drains up to 120,000 km**
- Maintain the efficiency of exhaust after-treatment systems ensuring continued compliance with emissions legislation.

Specifications

ACEA E6, E7, E9, E11; API CJ-4; JASO DH-2; CAT ECF-3; Cummins CES 20081; DDC Powerguard 93K218; Deutz DQC IV-18 LA; DTFR 15C110 (MB 228.51); Mack EO-O Premium Plus, EOS-4.5; MTU Oil Category 3.1; Renault Trucks RLD-3; Volvo CNG VDS-4 VDS-4.5; Meets requirements of MAN M 3271-1, M 3477; Meets DAF PX Euro VI requirements

ACEA E6, E7, E8, E9, E11; API CJ-4; JASO DH-2; CAT ECF-3; Cummins CES 20081; DTFR15C110 (MB 228.51);Mack EO-O Premium Plus, EOS-4.5;MTU Oil Category 3.1; Renault Trucks RLD-3; Volvo CNG VDS-4 VDS-4.5; Meets requirements of MAN M 3271-1, M 3477; For Iveco trucks requiring ACEA E6, E7 and E9; Meets DAF Euro VI requirements

10W-30 Available in:
1000L, 208L, 20L

10W-40 Available in:
1000L, 208L, 60L, 20L, 5L

*Extra Performance Reserve (EPR) is an average by which it exceeds the API and ACEA industry requirements and based on tests conducted on 81% of the Castrol VECTON range by volume based on 12 months sales up to March 2017.

**Approved by MAN for up to 120,000 km and Mercedes Benz, Volvo, and Renault for up to 100,000 km in accordance with their specifications. Actual oil drain depends on engine type, operating conditions, service history, OBD and fuel quality. Always consult your manufacturer's handbook.

Find the lubricant that best suits your fleet's needs



Castrol VECTON Long Drain 10W-40 E7

Castrol VECTON Long Drain 10W-40 E7 with System Pro Technology™ is an advanced full synthetic heavy-duty diesel engine oil for use in high speed 4-stroke diesel engines¹ that use a broad range of fuel qualities. It is compatible with diesel engines fitted with exhaust gas recirculation (EGR) systems.

- Delivers up to 45% extra performance reserve* that fights oil breakdown and also adapts to higher temperatures and pressures for longer useful oil life.
- Tested for extended drains up to 120,000 km**

¹Not for use in Euro IV/ V/VI vehicles requiring low SAPS lubricants. For this application we recommend Castrol VECTON Long Drain 10W-40 E6/E9

Specifications

ACEA E4, E7; API CF; Deutz DQC III-18; DTFR 15B120 (MB 228.5); Mack EO-N; MAN M 3277; MTU Oil Category 3; Renault Trucks RLD-2; Scania LDF-3; Volvo VDS-3; Meets DAF requirements

Available in:
1000L, 208L, 20L



CASTROL VECTON 15W-40 CK-4/E9

Castrol VECTON 15W-40 CK-4/E9 with System Pro Technology™ is an advanced engine oil engineered with synthetic technology for diesel engines fitted with EGR and the latest exhaust after treatment systems such as: DPF, DOC and/ or SCR.

- Delivers up to 45% extra performance reserve* that fights oil breakdown and also adapts to higher temperatures and pressures for longer useful oil life.

Specifications

ACEA E9, E11; API CK-4; JASO DH-2; CAT ECF-3; Cummins CES 20086; DDC DFS 93K222; Deutz DQC III-18 LA; Mack EOS-4.5; MAN M 3775; DTFR 15C100 (MB 228.31); MTU Oil Category 2.1; Renault Trucks RLD-3; Volvo VDS-4.5; meets Ford WSS-M2C171-F1

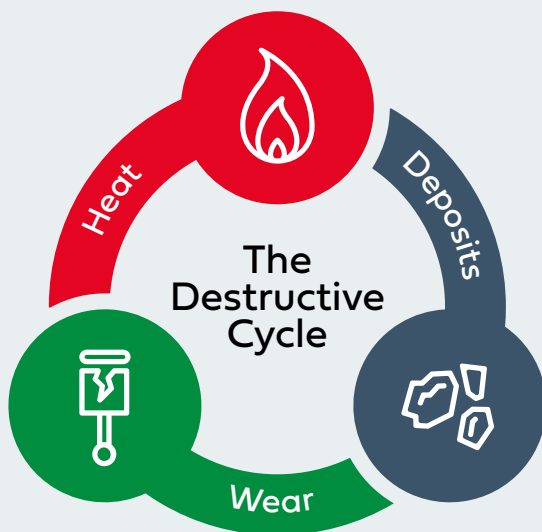
Available in:
1000L, 208L 20L, 5L



Engine Oils



Your engine is under constant threat from **heat**, deposits and **wear**.



In a vehicle's engine, a destructive cycle of heat, deposits and wear can form.

These three threats are interlinked, because an increase in one can increase all three – and over time could lead to severe engine damage.

At Castrol, we work closely with customers and engine manufacturers and we've developed some of the most technologically advanced lubricants available to protect your engine.

Discover how Castrol CRB Turbomax helps defend your vehicle against the destructive cycle of heat, deposits and wear.



Castrol CRB with Durashield Technology™. Move forward to **3X** engine protection*.

Let's drive the world forward.

Find the lubricant that best suits your fleet's needs



Castrol CRB Turbomax 10W-40 E4/E7

Castrol CRB Turbomax 10W-40 E4/E7 with DuraShield Technology™ is an advanced heavy-duty diesel engine oil for use in highly rated diesel engines meeting Euro I to Euro V emission requirements.

It is suitable for engines without particulate filters, for some EGR

engines and some engines fitted with SCR NOx reduction systems.

- Helps break the destructive cycle of heat, wear and deposits - giving your engine 3X protection* for a long and healthy engine life.

Specifications

ACEA E4, E7; API CI-4; JASO DH-1; Cummins CES 20077, 20078; Deutz DQC III-18; DTFR 15B120 (MB 228.5); Mack EO-N; MAN M 3277; MB-Approval 228.5, MTU Oil Category 3; Renault Trucks RLD-2; Volvo VDS 3

Available in:

1000L, 208L, 20L



Castrol CRB Multi 15W-40 CI-4/E7

Castrol CRB Multi 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.

- Helps provide protection across multiple applications to

encourage long and healthy engine life.

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

Specifications

ACEA E7; API CI-4/SL; CAT ECF-2; Cummins CES 20077, Deutz DQC III-18; DDC Powerguard 93K215; DTFR 15B110 (MB 228.3); Mack EO-M Plus, EO-N; Renault Trucks RLD-2; MTU Oil Category 2; RVI RLD-2; Volvo VDS-3; meets requirements of MAN M 3275-1

Available in:

1000L, 208L, 20L, 5L



Castrol CRB Multi 20W-50 CH-4

Castrol CRB Multi 20W-50 CH-4 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.

- Helps provide protection across multiple applications to encourage long and healthy engine life.

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

Specifications

API CH-4

Available in:

208L, 20L



Castrol CRB Monograde 10W CF, 30 CF, 40 CF/CF-2

Castrol CRB Monograde 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.

- Helps provide protection across multiple applications to encourage long and healthy engine life.

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

Specifications

SAE 10W: API CF
SAE 30W: API CF
SAE 40W: API CF/CF-2/SF

Available in:

208L, 20L (SAE 40 20L only)

*3X refers to protection against 3 elements – heat, wear and deposits



Driveline Fluids



Protecting gears and axles to help maximise drain intervals

Driveline Fluids

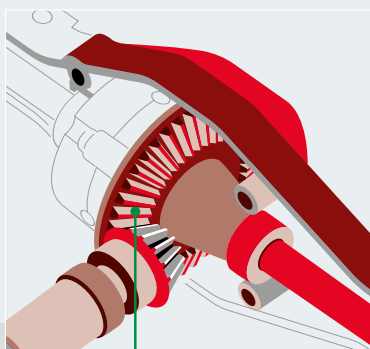


Trust TRANSMAX to protect gears and axles and maximise drain intervals.

With the continuous evolution of vehicle technology over recent years, transmissions have become more complex, demanding more technologically advanced fluids to ensure they operate with efficiency and reliability.

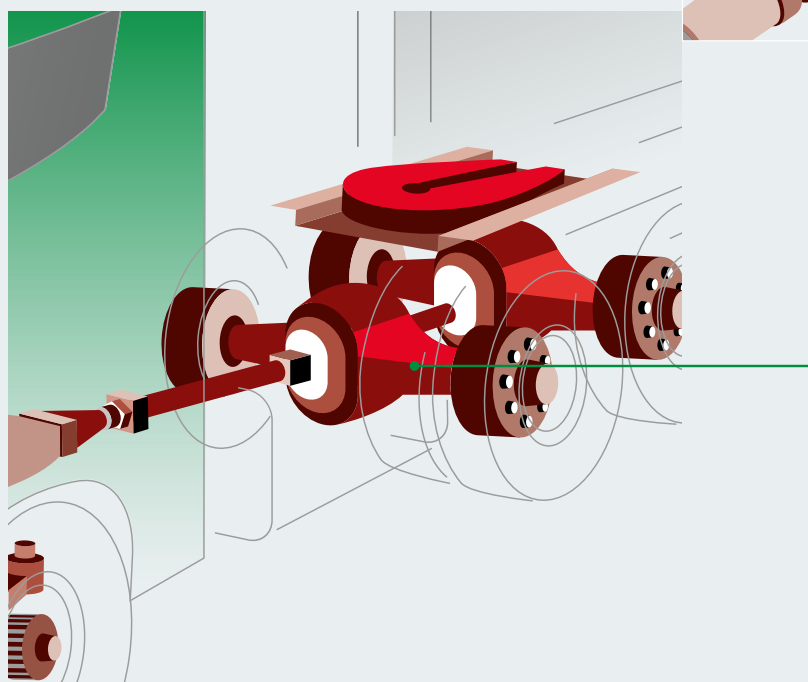
Castrol TRANSMAX is a range of products including automatic transmission fluids, gear oils and axle oils that are designed to meet today's challenges.

While the engine is responsible for generating power, it is the **Gear Box** and **Axle** that deliver this power to the wheels. That's why it is just as important to take care of your driveline as it is to take care of your engine.



Excessive heat creates:

- Loss of power
- Seal leakage
- Increased wear and tear



2 out of 3 major manufacturers* choose Castrol transmission fluids as part of their factory fill

*Based on LMCA data for top selling OEMs (total new car sales) in 2022.

Automatic Transmission Fluids



Castrol TRANSMAX ATF Z

Castrol TRANSMAX ATF Z, formulated with *Smooth Drive Technology™* is a full synthetic automatic transmission fluid. Proven to solve shiftability problems in automatic transmissions, enabling longer transmission life.

It is particularly recommended for use in automatic and semi automatic transmissions used in buses and coaches.

As such it is recommended for fleets utilising a mix of Voith, Renk, ZF, Allison and MB transmissions alongside the Leyland Pneumocyclic and Hydracyclic units.

Offers Extended oil drain [120.000 km] in ZF Ecomat and EcoLife, MB AT and Voith AT.

- Enhanced friction durability for smooth transmission performance.

- Enhanced wear protection to provide longer component life offers extended drain potential and lowers operating costs.
- Excellent thermal and oxidative stability to effectively resist oxidation and maintain operational efficiency for longer.
- Enhanced protection against deposits extends transmission life.
- Temperature reduction in severe service improves transmission and oil service life and helps reduce fuel consumption and emissions.
- Outstanding cold flow properties giving high protection to transmission especially at start-up.
- A problem-solver for gear shiftability issues with over 15 years of trouble-free field performance.

Specifications

MAN 339 V2, Z3, Z12; MB-Approval 236.81; Voith H55.6336.xx; VW/Audi 501 60; ZF TE-ML 04D; 11B; 14C; 16M; 16S; 20C; 25C; Meets JASO 1A(03); Suitable for use where the following are called for: JASO 1A LV(13); Toyota T, T II, T III, T IV, WS; Nissan Matic D, J, S; Mitsubishi SP II, IIM, III, PA, J3, SP IV; Mazda ATF M-III, M-V, JWS 3317, FZ; Subaru F6, Red I; Daihatsu AMMIX ATF D-III Multi, D3-SP; Suzuki AT Oil 5D06, 2384K; JWS 3314, 3317; Hyundai/ Kia SP III, SP IV; Aisin Transmissions requiring JWS 3309; Honda/Acura DW 1/ Z1; Isuzu (where Toyota T-IV is required); BMW, VW, Audi and Jaguar 5 speed automatic transmission and MB 4 and 5 speed automatic transmissions; BMW Oil No. 8322.9407807; Citroen Oil No. Z 000169756; Jaguar Oil No. JLM 20238, LA 2634, LT 71141; Mercedes Benz Oil No. 0019892203, MB 236.1, 236.6, 236.7, 236.9, 236.10; Peugeot Oil No. Z 000169756; Porsche Oil No. 999.917.547.00; VW / Audi TL 52162 (G 052 162); ZF Lifeguardfluid 5.

Available in:

1000L, 208L, 60L, 20L, 5L, 1L



Castrol TRANSMAX ATF DX III Multivehicle

Castrol TRANSMAX ATF DX III Multivehicle is designed for use in GM automatic transmissions pre 2005 and Ford automatic transmissions built between 1983 and 1996 where DEXRON® (II or III) or MERCON® are required.

This product is approved for use in Allison heavy-duty transmissions against TES 389.

It is also approved for use in a wide range of European heavy-duty automatic transmissions. It may be used in some power steering units.

- Multiple manufacturer approvals make it suitable for wide ranging use.

- Enhanced friction durability for smooth transmission performance.
- Enhanced wear and deposits protection to provide longer component life.
- Excellent thermal and oxidative stability to effectively resist oxidation and maintains operational efficiency for longer.
- High viscosity index provides a stable viscosity over a wide temperature range for effective protection of transmissions and operation of power steering units.

Specifications

Allison TES-389; MAN 339 L1, V1, Z1; MB-Approval 236.9; Voith H55.6335.xx; Volvo Transmission Oil 97341:071; ZF TE-ML 04D,14A; Meets Allison C4; Meets Ford Mercon®, GM Dexron® IIIH*, Meets the requirements of Volvo Transmission Oil 97340.

*GM Dexron III(H) supersedes GM Dexron II(D).

Available in:

1000L, 208L, 20L, 1L

Manual Transmission Fluids



Castrol TRANSMAX Manual Z Long Life 75W-80

Castrol TRANSMAX MANUAL Z Long Life 75W-80 formulated with *Smooth Drive Technology*[™] is a full synthetic SAE 75W-80 fluid developed specifically to meet ZF extended drain interval requirements (500,000 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.

- Excellent frictional characteristics with carbon, sinter bronze and molybdenum synchronisers provides improved shift quality and extends 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 provides protection to components under high loads extending component life and reducing maintenance costs.

Specifications

API GL-4; MAN 341 Z5; MB-Approval 235.41; ZF TE-ML 01E, 02E, 16P.

Available in:
1000L, 208L, 20L



Castrol TRANSMAX Manual Long Life 75W-85

Castrol TRANSMAX MANUAL Long Life 75W-85 formulated with *Smooth Drive Technology*[™] is a full synthetic transmission fluid recommended for most commercial vehicle manual transmissions (truck, bus, light commercial vehicle) where API GL-4 lubricants are required.

- Excellent thermal and oxidative stability maintains transmission cleanliness and lubricant performance allowing extended drain capability.

- Synthetic formulation provides a reduction in operating temperatures giving longer component and lubricant life.
- Superb cold flow characteristics give smoother gear shifts at low temperatures.
- High shear stability maintains lubricant performance throughout the drain interval.
- Good wear and EP performance ensures component protection under high load conditions reducing downtime and service costs.

Specifications

API GL-4; MB-Approval 235.4; Volvo Transmission Oil 97307:045.

Available in:
208L, 60L, 20L



Castrol TRANSMAX Manual AT 75W-90

Castrol TRANSMAX MANUAL AT 75W-90 is a synthetic fluid approved for use in the manual transmissions of Mercedes Benz Actros vehicles.

- Excellent viscosity temperature characteristics providing effective lubrication over a wide temperature range.

- Smooth gear shifting at low temperatures increases transmission efficiency and aids fuel economy.
- Very good wear protection especially under high loads extends component life and reduces downtime and service costs.

Specifications

API GL-4; MB-Approval 235.11.

Available in:
208L, 20L



Castrol TRANSMAX Manual EP 80W

Castrol TRANSMAX MANUAL EP 80W is a mineral-based fluid suitable for use in applications where API GL-4 performance is required. It is approved for use in MB transmissions used in light commercial vehicles and trucks and also approved for use in ZF manual transmissions.

- 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.

Specifications

API GL-4; MB-Approval 235.1; ZF TE-ML 17A.

Available in:
208L, 20L, 1L



Castrol TRANSMAX Manual EP 80W-90

Castrol TRANSMAX MANUAL EP 80W-90 is a mineral-based fluid suitable for use in applications where API GL-4 performance is required. It is approved for use in ZF manual transmissions.

- 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.

Specifications

API GL-4; MAN 341 Z2; ZF TE-ML 02B, 17A.

Available in:
208L, 60L, 20L, 1L

Axle & Universal Fluids



Castrol TRANSMAX Axle Long Life 75W-90

Castrol TRANSMAX AXLE Long Life 75W-90, formulated with *Smooth Drive Technology™*, is a full synthetic rear axle fluid. It is Castrol's prime recommendation for final drives in heavy commercial vehicles, and is approved by MAN and ZF.

- Fuel savings and reduced emissions due to balanced viscometric and frictional characteristics.
- Excellent low temperature fluidity pumpability ensures optimum

protection at start-up under all conditions.

- 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.

Specifications

API GL-5; MAN 342 S1; ZF TE-ML 05A, 12B, 17B, 19C, 21A; BMW (Non-Limited Slip Rear Axles) According to Service Instruction 33 01 96 (149).

Available in:

1000L, 208L, 60L, 20L, 1L



Castrol TRANSMAX Axle Long Life 75W-140

Castrol TRANSMAX AXLE Long Life 75W-140 formulated with *Smooth Drive Technology™* is a full synthetic final drive lubricant which is suitable for use in axles and final drives in commercial vehicles where API GL-5 performance is required. It is included in the Scania High Performance product list and is approved against Scania STO 2:0A.

- 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.
- 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.

Specifications

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

Available in:

208L, 60L, 20L, 1L



Castrol TRANSMAX Axle Long Drain 80W-90

Castrol TRANSMAX AXLE Long Drain 80W-90 is designed for use in axles and final drives operating under severe conditions and over a wide range of operating temperatures. It is specifically approved for use in MB Actros axles, approved for use in MAN, Scania and ZF axles and is also recommended for other applications where API GL-5 performance is required.

- Extended drain potential compared with conventional MB 235.0 fluids.
- Enhanced seal compatibility.
- Effective wear protection under severe load conditions, ensuring longer component life.
- Excellent resistance to foaming and corrosion.

Specifications

API GL-5; MAN 341 GA1, 342 M3; MB-Approval 235.20; Scania STO 1:0; ZF TE-ML 05A, 12L, 12M, 16B, 17B, 19B, 21A.

Available in:

208L



Castrol TRANSMAX Axle EPX 80W-90

Castrol TRANSMAX AXLE EPX 80W-90 is a multi-purpose axle oil which may be used in differentials, final drives and other applications in commercial vehicles where API GL-5 performance is required. It is approved by MAN and ZF for use in a range of commercial applications including axles in off-road and agricultural equipment.

- High load carrying capability ensures gears operating under

high loads are protected prolonging component life.

- High film strength ensures protection against wear and shock loads.
- Good thermal/oxidation stability protects against the formation of deposits and oil thickening prolonging the life of components and lubricant.

Specifications

API GL-5; MAN 342 M2; ZF TE-ML 05A, 12E, 16B, 17B, 19B, 21A.

Available in:
1000L, 20L



Castrol TRANSMAX Axle EPX 85W-90

Castrol TRANSMAX AXLE EPX 85W-90 is a multi-purpose axle oil which may be used in differentials, final drives and other applications in commercial vehicles where API GL-5 performance is required. It is approved by MAN and ZF for use in a range of commercial applications including axles in off-road and agricultural equipment.

- High-load carrying capability ensures gears operating under

high loads are protected prolonging component life.

- High film strength ensures protection against wear and shock loads.
- Good thermal/oxidation stability protects against the formation of harmful deposits and oil thickening prolonging the life of components and lubricant.

Specifications

API GL-5; MB-Approval 235.0; ZF TE-ML 16C, 17B, 19B, 21A.

Available in:
1000L, 208L, 60L, 20L, 1L



Castrol TRANSMAX Axle EPX 85W-140

Castrol TRANSMAX AXLE EPX 85W-140 is a multi-purpose axle oil which may be used in differentials, final drives and other applications in commercial vehicles where API GL-5 performance is required. It is approved by MAN and ZF for use in a range of commercial applications including axles in off-road and agricultural equipment.

- High load-carrying capability ensures gears operating under

high loads are protected prolonging component life.

- High film strength ensures protection against wear and shock loads.
- Good thermal/oxidation stability protects against the formation of deposits and oil thickening prolonging the life of components and lubricant.

Specifications

API GL-5; ZF TE-ML 05A, 12E, 16D, 21A.

Available in:
208L, 60L, 5L, 1L

Axle & Universal Fluids



Castrol TRANSMAX Limited Slip 75W-90

Castrol TRANSMAX Limited Slip 75W-90 is a full synthetic high performance SAE 75W-90 gear lubricant, specifically developed for highly loaded limited-slip axles of modern vehicles. It is also applicable for other axles and certain manual gearboxes, if API GL-5 performance level is recommended by the manufacturers.

- 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.

Specifications

API GL-5 limited slip performance; Approved for use in Voith final drive units and listed in 132.00374402 and 132.00374401 Voith's recommended lists.

Available in:
1000L, 208L



Castrol TRANSMAX Limited Slip Z 85W-90

Castrol TRANSMAX LIMITED SLIP Z 85W-90 is a mineral oil-based gear oil which is suitable for use in limited slip differentials in commercial vehicles where API GL-5 oils with specific limited slip friction performance is required. It can also be used in conventional differentials. It is approved by ZF for use in their multi-disc wet brakes and self-locking differentials used in a range of commercial vehicle applications

including axles in off-road and agricultural equipment.

- Very good wear protection, even under severe conditions, prolongs component life.
- Optimised and stable friction characteristics for effective operation of limited slip differentials throughout the drain interval.
- Specifically formulated to meet friction requirements of ZF wet brakes and locking differentials.

Specifications

API GL-5; ZF TE-ML 05C, 12C, 16E, 21C.

Available in:
208L, 60L, 20L, 1L



Castrol TRANSMAX Universal LL 75W-90

Castrol TRANSMAX UNIVERSAL LL 75W-90 formulated with *Smooth Drive Technology™* is a full synthetic multi-purpose manual transmission and final drive lubricant. It may be used in synchronised manual transmissions and final drives/differentials of a wide range of vehicles (commercial vehicle, construction equipment) where API GL-4 or API GL-5 fluids are required.

- A single product for transmissions and final drives reducing inventory and the potential for misapplication.

• Excellent low temperature fluidity provides improved shift quality and wear protection in cold conditions and improves fuel efficiency.

- Excellent high temperature stability and excellent wear protection even in the most arduous conditions prolongs equipment life and allows for extended drain intervals.
- Full compatibility with conventional mineral oils and seals allows this product to be used in a wide range of applications.

Specifications

API GL-4/5, MT-1; SAE J2360; DTFR 12B140 (MB 235.8); MAN 341 GA1 / Z2; MAN 342 S1; MB-Approval 235.9; Scania STO 1:1 G, STO 2:0 A FS; Volvo 97312; ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A (ZF002144).

Available in:
1000L, 208L, 60L, 20L, 1L



Castrol TRANSMAX Universal LL 80W-90

Castrol TRANSMAX UNIVERSAL LL 80W-90 is a part-synthetic SAE 80W-90 multi-purpose manual transmission and final drive lubricant. It is particularly recommended for use in highly loaded final drives and differentials of commercial vehicles where API GL-5 performance is required and it carries a number of approvals. Additionally it may be used in synchronised manual transmissions requiring API GL-4 or GL-5 fluids.

- A single product for transmissions and final drives reducing inventory and the potential for misapplication.

- High temperature stability gives excellent performance and extended drain potential.
- Proven performance as a problem solver in differentials operating in hot climates under arduous conditions.
- Optimised synchroniser performance gives smooth gear shifting at all temperatures.
- High shear stability maintains performance over the life of the lubricant.
- Excellent wear protection particularly at high temperatures extends component life and reduces maintenance costs.

Specifications

API GL-4/5; DTRF 12B100 (MB 235.0); MAN 341 GA1 / Z2, MAN 342 M2; Scania STO 1:0, Scania STO 1:1 G; ZF -TE ML 02B, 05A, 12L, 12M, 16C, 17H, 19B, 21A (ZF002143); Recommended for use in Hino manual transmissions and differentials.

Available in:

100L, 208L, 60L, 20L



Castrol TRANSMAX Universal 75W-90

Castrol TRANSMAX UNIVERSAL 75W-90* is a multi-purpose gear lubricant for use in both synchronised manual transmissions and final drives and differentials where either API GL-4 or API GL-5 are specified.

- A single product for transmissions and final drives reducing inventory and the potential for misapplication.

- High temperature stability gives excellent performance and extended drain potential.
- Optimised synchroniser performance gives smooth gear shifting at all temperatures.
- Excellent wear protection extends component life and reduces maintenance costs.

Specifications

API GL-4/GL-5

*SAE Class according to J306 pre 1998

Available in:

208L, 60L, 20L, 1L



Castrol TRANSMAX Offroad 10W, 30, 50

Castrol TRANSMAX OFFROAD products are 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.

- 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.

Specifications

SAE 10W: ZF TE-ML 03C; Meets CAT TO-4; Recommended for use in Komatsu Equipment.

SAE 30: ZF TE-ML 03C, 07F; Meets CAT TO-4; Recommended for use in Komatsu Equipment.

SAE 50: Meets CAT TO-4; Recommended for use in Komatsu Equipment.

Available in:

208L, 20L

Hydraulics



Castrol HYSPIN AWH-M 32, 46, 68

Castrol HYSPIN AWH-M hydraulic oils are a range of shear stable high viscosity index lubricants. They are designed for use in most hydraulic systems which require anti-wear protection, DIN Classification HLP.

They are ideal for equipment subjected to cold start conditions and high temperature continuous running.

- High viscosity index and low pour point enables the product to be used over a wide temperature range.
- Good shear stability which means no excessive loss in viscosity due to mechanical shearing.

- Provides excellent wear protection for hydraulic pumps, helping to reduce downtime.
- Excellent water separation and hydrolytic stability, measured by industry standard testing. This increases equipment reliability, helping to prolong the lubricant life and reduce downtime.
- Good filterability gives a cleaner system with less frequent filter changes.

Specifications

DIN 51502 classification – HVLP; ISO 6743/4 - Hydraulic Oils Type HV.

Available in:
208L, 20L



Castrol HYSPIN AWS 32, 46, 68

Castrol HYSPIN AWS hydraulic oils are designed for use in most industrial hydraulic systems which require anti-wear protection, DIN Classification HLP.

- Good thermal and oxidative stability. Oxidative stability reduces deposit formation, resulting in a cleaner system. This can extend the machinery's operating life.
- Excellent anti-wear performance increases wear protection, which can help reduce downtime caused by unscheduled maintenance.

- Good filterability characteristics, including in the presence of water, enables cost savings to be made from increased filter life and reduced maintenance.
- Excellent water separation and hydrolytic stability, measured by industry standard testing. This increases equipment reliability, helping to prolong the lubricant's life and reduce downtime.

Specifications

DIN 51502 classification – HLP; ISO 6743/4 - Hydraulic Oils Type HM.

Available in:
1000L, 208L, 60L, 20L



Castrol CLS Grease

Castrol CLS Grease is a semi-fluid (NLGI 00) extreme pressure grease for use in the central lubricating systems of commercial vehicles. It is also an excellent multi-purpose semi-fluid grease for automotive applications where a combination of excellent extreme pressure performance and corrosion resistance are core requirements.

- Good mechanical stability enables extended service operation.

- Excellent extreme pressure performance offering enhanced component protection.
- Excellent corrosion protection provides extended service in more exposed operational environments.
- Excellent cold flow properties enable year-round use.

Specifications

NLGI 00/000; MAN 283 Li-P 00/000; MB-Approval 264.0; Volvo Truck Corporation: Service Bulletin page 28.

Available in:
50kg, 25kg, 18kg



Castrol High Temperature Grease

Castrol High Temperature Grease is a high performance, multi-purpose lithium complex grease with reliable performance across a wide range of temperatures whilst exposed to a variety of operational loads, speeds and environmental conditions. It is particularly suitable for use in automotive bearing applications where rotational speeds may be higher or prolonged heavy braking may generate higher than normal hub temperatures, such as trucks and buses.

- Excellent thermal and mechanical stability ensure prolonged product integrity across a wider operating

temperature range, thus enabling extended relubrication intervals and reduced maintenance.

- Good extreme pressure and anti-wear properties provide the potential for prolonged component life.
- Good water resistance provides enhanced protection in applications where the potential for exposure and contamination are higher.
- Good corrosion protection.
- Excellent multi-purpose potential enabling a reduction in product inventory.

Specifications

NLGI 2.

Available in:
180kg, 50kg, 18kg, 400gm



Castrol LMX Li-Komplexfett

Castrol LMX Li-Komplexfett is a high performance grease designed for a wide variety of applications. It is particularly suitable for use in the 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.

- Reduced oil separation and resistance to hardening under pressure leads to longer operational life of the grease.

- Excellent thermal stability and wide operating temperature range make this an excellent grease for wheel bearing applications.
- High load carrying capacity minimises bearing wear leading to longer bearing life and reduced servicing.
- Good water resistance and adhesion to metal surfaces prevents grease wash-out ensuring extended bearing life.

Specifications

NLGI 2; MAN 284 Li-H 2; MB-Approval 265.1.

Available in:
180kg, 25kg, 400gm

Greases



Castrol Moly Grease

Castrol Moly Grease is a multi-purpose grease for a variety of applications in which sliding or reciprocating movement is predominant. It is suitable for use in a wide range of slow to medium speed bearings where shock loads or excessive vibration is likely and there is a specific requirement for the use of a grease fortified with molybdenum disulphide. The multi-purpose nature of Castrol Moly Grease enables its use on both passenger car and commercial vehicle components, including flexible joints pivot pins, cams, screw threads, splined shafts, slides and fifth wheels.

- Excellent mechanical stability ensure the structural integrity of the grease is maintained, thereby extending relubrication intervals.

- Good extreme pressure and anti-wear properties provide extended protection in loaded applications resulting in longer component life.
- The presence of molybdenum disulphide offers the benefit of reduced friction and resistance to shock loads.
- Enhanced component protection under boundary lubrication conditions.
- Good water resistance and corrosion protection afford longer surface protection in applications with the potential for a degree of water contamination.
- Multi-purpose capability increases the potential for reduced product inventories.

Specifications

NLGI 2.

Available in:
18kg, 400gm



Castrol SPHEEROL EPL 00

Castrol SPHEEROL EPL 00 grease is a NLGI 00 semi-fluid lithium-based grease suitable for centralised lubrication systems and grease-filled gearboxes. The product incorporates powerful rust inhibitors to protect components against corrosion.

- Operates across a wide range of temperatures (-10°C to +120°C).

- Has good adhesion, enabling continuous lubrication and reduced consumption, as film stays between lubricated surfaces.
- Incorporates powerful rust inhibitors to protect components against corrosion and has a good EP performance.

Specifications

NLGI 00.

Available in:
180kg, 50kg, 18kg



Castrol SPHEEROL EPL 0/1/2

Castrol SPHEEROL EPL products are lithium-based greases which provide good film strength under medium to high loads. Their good protection against rust and corrosion, as well as resistance to water wash-out, makes them particularly suitable for equipment where moist or wet conditions are common.

- 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.

Specifications

NLGI 0/1/2.

Available in:
180kg, 50kg, 18kg, 15kg, 12.5kg



Castrol RADICOOL SF

Castrol RADICOOL SF is a long-life coolant based on monoethylene glycol with advanced organic acid inhibitor technology. It does not contain amines, nitrites, phosphates, silicates or other inorganic inhibitors.

Castrol RADICOOL SF has been designed for use in engines employing cast iron, aluminium, copper or combinations of these metals used in modern engine designs. It is suitable for a wide range of vehicles including cars, trucks and buses, using both petrol and diesel engines.

- Enables longer drain intervals, which means reduced cost and less possibility of harm to the environment.
- Provides excellent protection against cavitation corrosion and effective water pump lubrication, reducing wear and noise.
- Prevents the build-up of calcium deposits (scale) from use of hard water, thereby reducing possibility of radiator blocking and restricted flow of coolant.
- Improves the fluid's heat transfer properties ensuring engines run at optimum temperatures.

Specifications

ASTM D3306; ASTM D4985; ASTM D6210; BS 6580:2010; JASO JIS K2234; Deutz DQC CB-14; DAF 74002; MAN 324 Typ SNF; DTFR 29C110 (MB 325.3); VW TL-774F (G12+); Meets Ford WSS-M97B44-D.

Available in:
208L, 60L, 20L



Castrol RADICOOL SF Premix

Castrol RADICOOL SF Premix is a long-life ready to use coolant based on monoethyleneglycol with advanced organic acid inhibitor technology. In contrast to traditional antifreeze coolants, Castrol RADICOOL SF Premix does not contain amines, nitrites, phosphates, silicates or other inorganic inhibitors. It provides excellent corrosion protection particularly to those engines employing light metals. It is suitable for a wide range of OEMs equipment.

Castrol RADICOOL SF Premix works over a wide operating temperature range for effective engine cooling in all climates, and offers freezing protection down to -37°C.

The special inhibitor package used in Castrol RADICOOL SF Premix enables longer drain intervals with excellent protection against corrosion, cooling system blockage, overheating and freezing. It is especially 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.

- Longer operational life by allowing extended drain intervals of up to 5 years. Longer drain intervals mean reduced cost and less possibility of harm to the environment.
- Provides excellent protection against cavitation corrosion and effective water pump lubrication, reducing wear and noise.

The additive technology used in Castrol RADICOOL SF Premix 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 fluids heat transfer properties ensuring engines run at optimum temperatures.

Castrol RADICOOL SF Premix contains a bittering agent to deter from accidental ingestion.

Specifications

ASTM D3306(III); ASTM D4985; ASTM D6210; MAN 324 Typ SNF; MB-Approval 326.3; VW TL 774F (G12+); Deutz DQC CB-14; DAF 74002.

Based on coolant concentrate conforming to: BS 6580:2010.

Available in:
208L, 60L

Coolants



Castrol RADICOOL NF

Castrol RADICOOL NF is an anti-freeze concentrate formulated using monoethylene glycol and selected additives, free from nitrite, amine and phosphate inhibitors.

It uses hybrid technology for the modern performance engines of cars and trucks.

- Protects for up to 3 years.
- 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.
- Contains bittering agent.

Specifications

ASTM D3306; ASTM D4985; BS 6580:2010; JASO JIS K2234; Deutz - DQC CA-14; MAN 324 Typ NF; DTFR 29C100 (MB 325.0); MB-Approval 325.0; MTU MTL 5048; VW TL-774C (G11).

Available in:

208L, 60L, 20L



Castrol RADICOOL NF Premix

Castrol RADICOOL NF Premix is a ready to use engine coolant and antifreeze formulated using monoethylene glycol and selected additives, free from nitrite, amine and phosphate inhibitors. It uses hybrid technology for the modern performance engines of cars and trucks. It requires no customer dilution therefore ensures the correct concentration is always used.

Castrol RADICOOL NF Premix provides year-round protection against corrosion, and offers freezing protection down to -37°C. It has been developed using Hybrid Additive Technology to provide total protection for modern engine radiator systems, cylinder block heads, water pumps and heat exchangers.

In the majority of cases, coolants are not compatible and should not be mixed with other coolants unless directed by the equipment manufacturer. If using Castrol RADICOOL NF Premix for the first time, ensure that the cooling system has been adequately flushed with clean water before use.

- Developed to meet the growing demand from engine and vehicle manufacturers for a higher performance coolant that minimises environmental impact.

- Provides excellent protection against corrosion, and because it contains no phosphate, the problem of deposits in some modern performance engines is eliminated.

- In addition to providing excellent corrosion and low temperature protection, the use of the recommended level of anti-freeze will significantly reduce the likelihood of wet cylinder liner pitting due to "cavitation erosion".

Cavitation erosion is caused by the implosion of air bubbles present in the coolant and which are attracted to the liner outer surface. These bubbles implode, resulting in the removal of minute amounts of liner material - this, if allowed to continue unchecked, will result in liner porosity and severe engine damage.

- OEM approvals
- Protects for up to 3 years
- 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 Contains bittering agent

Specifications

ASTM D3306(III); ASTM D4985; JASO JIS K 2234:2006; MAN 324 Typ NF; MTU MTL 5048; MB-Approval 326.0.

Based on coolant concentrate conforming to: BS 6580:2010.

Available in:

208L, 20L



Castrol RADICOOL Si-OAT

Castrol RADICOOL Si-OAT is a nitrite, amine and phosphate-free anti-freeze coolant with added silicate for the latest vehicles requiring silicate containing OAT technology.

It has been developed to provide total protection for the metals used in the engine radiator systems, cylinder block heads, water pumps and heat exchangers.

- Protects for up to 3 years.
- Excellent low temperature protection.
- Provides excellent protection against all forms of corrosion.
- Eliminates deposit formation, because of its phosphate-free formulation.
- Approved for use in Euro 6 trucks.

Specifications

ASTM D3306; ASTM D4985; BS 6580:2010; JASO JIS K2234; MAN 324 Type Si-OAT; DTFR 29D120 (MB 325.5); VW TL-774G (G12++).

Available in:
208L, 20L



Castrol RADICOOL Si-OAT Premix

Castrol RADICOOL Si-OAT Premix is a ready to use engine coolant and antifreeze. It is a nitrite, amine and phosphate free antifreeze coolant with added silicate for the latest vehicles requiring silicate containing OAT technology.

Aqueous solutions of Castrol RADICOOL Si-OAT act as both antifreeze and coolant and offer excellent corrosion protection to all metal parts found in the cooling systems of internal combustion engines.

Castrol RADICOOL Si-OAT Premix provides year-round corrosion protection, and offers freezing protection down to -37°C. It has been developed to provide total protection for the metals used

in the engine radiator systems, cylinder block heads, water pumps and heat exchangers.

In the majority of 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 Premix for the first time, ensure that the cooling system has been adequately flushed with clean water.

- Excellent low temperature protection.
- Provides superior protection against all forms of corrosion.
- Eliminates deposit formation, because of its phosphate free formulation.

Specifications

ASTM D3306 (III); ASTM D4985; JASO JIS K2234; MAN 324 Type Si-OAT; MB-Approval 326.6; VW-TL 774-G (G12++).

Based on coolant concentrate conforming to: BS 6580:2010.

Available in:
208L



Contact & support

To find out more about any of our products and services or to discuss your needs in more detail, please visit **Castrol.com** or contact your distributor.

Distributor details: