

PRODUCT DATA

MAGNATEC PROFESSIONAL C3 5W-40

PRODUCT DESCRIPTION

Castrol Magnatec Professional C3 5W-40 is a full synthetic SAE 5W-40 multigrade engine oil, specifically engineered for multivalve, high speed engine technology and the latest diesel after treatment systems. **Castrol Magnatec Professional C3 5W-40** integrates Unique Molecular Attraction with Castrol's proven advanced lubrication technology to deliver exceptional performance in all conditions, whether stop-start city or highway driving.

Castrol Magnatec Professional C3 5W-40 contains a lower level of SAPS, Sulphated Ash, Phosphorus and Sulphur than normal high performance oils. Lower SAPS helps emission control devices like DPF last longer ensuring better engine performance and fuel economy.

Castrol Magnatec Professional C3 5W-40 combines "intelligent molecules" with the unique protection of Castrol UMA technology together with outstanding low temperature fluidity and high temperature protection.

PRODUCT APPLICATION

Castrol Magnatec Professional C3 5W-40 is specially recommended for vehicles fitted with the latest emission after treatment devices like Diesel Particulate Filters, DPF, and exhaust catalysts. It is suitable for both turbocharged and naturally aspirated petrol and diesel engines. It is designed to ensure requirements of vehicles fitted with the latest diesel after treatment systems; e.g. DPF, are satisfied with comfortable safety margin.

Recommended for the following passenger car models:

- Jaguar XJR, XJ8, XK8, XKR 3.2, 4.0, 4.0 Litre Supercharged.
- Land Rover Defender, Discovery, Freelander – Petrol and Diesel including Td5.
- Range Rover – Petrol and Diesel.
- Volvo S40, S60, C70, S70, S80, S90, V40, V70, V90, 850, 940, 960.
- Saab – Models prior to 2001.
- Mazda – all cars, commercials and 4-wheel drives (except for diesel vehicles ie Mazda3, Mazda6 and rotary engines).
- Ford – imported models and BA XR6 Turbo.
- Holden – Barina SB, XC; Astra AH-TR, TS Sri, diesel; Vectra JR, JS, ZC; Calibra; Cruze, Zafira; Jackaroo, Epica, Captiva, Colorado petrol and diesel models.
- Honda – all models.



- Hyundai – models using 15,000 km service intervals, turbo diesel engines with DPF.
- Mitsubishi – Lancer, CC, CD, CE; Magna Verada; 380, Pajero diesel with DPF.
- Peugeot – 206, 306, 405, 406, 605 – petrol and diesel models.
- Subaru – Impreza 2 Litre, WRX; Forester, Liberty, Outback.
- Toyota – all multivalve engines.

PRODUCT FEATURES & BENEFITS

Product Feature	Benefits
Excellent oxidation stability.	Suitable for high temperature and extended drain service.
Complies with Australian motor industry agreed limit on phosphorus content of engine oil.	Helps ensure vehicle emission control system remains efficient and effective.
Very fluid at low temperatures.	Improved engine responsiveness and fuel efficiency.
Excellent viscosity-temperature characteristics.	Easy and responsive cold start performance for the latest engines together with excellent highway and high temperature performance.
Compatible with seals normally found in engines.	No special change over procedure required, long seal life can be expected.
Compatible with normal mineral oil.	No special flushing procedure needed when changing from mineral to synthetic oil.
Long service interval performance.	Added protection for those people who “forget” and over ran recommended service intervals, as well as potentially lower maintenance costs and greater vehicle availability.
Lower levels of SAPS, Sulphated Ash, Phosphorus and Sulphur.	Helps ensure longer life of emission control devices and better engine performance and fuel economy.

TYPICAL CHARACTERISTICS

SAE Viscosity Grade	KV @ 100 °C (cSt)	KV @ 40°C (cSt)	cP @ -30 °C	Viscosity Index	Pour Point (°C)	API Service Rating	ACEA Rating
5W-40	13.2	79	6100	165	-48	SM/CF	A3/B3/B4/C3

The above data is typical and does not constitute a specification.



PERFORMANCE LEVELS

Castrol Magnatec Professional C3 5W-40 is suitable for use where the following specifications or classifications are cited:

Performance	
API SM Where these SAE grades cited	Petrol engines, supersedes SL, SJ, SH, etc 5W-30, 5W-40, 10W-30, 10W-40, 15W-40, 20W-40
ACEA A3	High performance petrol, surpasses A2, A1, A5 (engine performance)
ACEA B3, B4	High performance diesel passenger car, 4WD and light commercial vehicles; surpasses B2, B1, B5 (engine performance)
ACEA C3	Passenger car diesel catalyst systems
VW	505.00/502 00
MB Approval	229.31

CHANGEOVER PROCEDURE

No special changeover procedure is required when changing from other lubricants to **Castrol Magnatec Professional C3 5W-40**. Drain existing oil while still warm or hot. Replace oil filter and refill to correct oil level for engine.

HEALTH, SAFETY & ENVIRONMENT

Castrol Magnatec Professional C3 5W-40 is considered non-hazardous according to Worksafe. However, in line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data sheet be followed.

Spillage

- Small:** Soak up using an inert mineral adsorbent such as Castrol Diatomaceous Earth and dispose of in the appropriate manner.
- Large:** Corrective action usually dictated by individual company safety procedures. Immediate containment and subsequent removal is essential.
- Disposal:** Oily materials must not be allowed to enter groundwater, watercourses, sewerage or drainage systems. Refer to local Waste Disposal Authority for legal requirements.

HEALTH, SAFETY & ENVIRONMENT ... continued

Product Removal

- Bare Metal Surfaces:** Remove with Castrol solvent cleaners or water based degreasers.
- Hand Cleaning:** Use any of the Castrol range of hand cleaners, e.g. CareClean Plus.
- Other Surfaces:** Contact your local Technical Advice Line on 1300 557 998.

Although all reasonable care has been taken to ensure that the information contained in this publication is accurate as at the time of printing, such information is nevertheless liable to variation in the event of changes occurring subsequent to the date of printing it: the blend formulation, methods of storage, or due to the improper handling or application of any of the products referred to, or in the requirements of any specification or approval relating to any of the products.

For more information contact: Castrol Lubricants (A Business Division of BP Australia Pty Limited - ABN 53 004 085 616)
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