

PRODUCT DATA

MAGNATEC PROFESSIONAL 5W-40

PRODUCT DESCRIPTION

Castrol Magnatec Professional 5W-40 is a synthetic SAE 5W-40 multigrade engine oil with intelligent molecules that cling and bond to metal surfaces giving extra protection against engine wear, protecting vital components at start-up and during warm-up better than any "normal" oil can.

Castrol Magnatec Professional 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 5W-40 contains a synthetic ester unique to Castrol. The molecules of the ester are strongly attracted to metal surfaces, forming a film on these surfaces that provides enhanced wear protection in the engine. The protective film of lubricant provided by this Unique Molecular Attraction remains adhered to internal metal surfaces when the engine is idle or switched off for weeks or months.

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

PRODUCT APPLICATION

Castrol Magnatec Professional 5W-40 is suitable for the majority of modern petrol and diesel passenger car, 4-wheel drives and light commercial vehicles. It is suitable for both turbocharged and naturally aspirated petrol and diesel engines.

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 Pre 2004 S40, S60, Pre 2002 C70, S70, S90, V40, Pre 2007 V70, V90, 850, 940, 960.
- Saab – Models prior to 2001.
- Mazda – all cars, commercials and 4-wheel drives.
- 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 petrol and diesel models.
- Honda – all models.



- Hyundai – models using 15,000 km service intervals, turbo diesel engines.
- Mitsubishi – Lancer, CC, CD, CE; Magna TE/TF, TH, TJ; Verada KE/KF, KH, KJ; 380.
- 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 run recommended service intervals, as well as potentially lower maintenance costs and greater vehicle availability.
Specially selected synthetic base fluids and additive system.	Improved cold start fluidity, much greater resistance to chemical degradation, longer service life, lower friction and improved wear protection.

*This product replaces **Castrol Magnatec 5W-40 SP**.*

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	14.44	88.0	6200	170	<-36	SM/CF	A3/B3/B4

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



PERFORMANCE LEVELS

Castrol Magnatec Professional 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
API CF SAE grades where suitable	Diesel engine, supersedes CD, CC. 4WD, passenger car and LCV 5W-30, 5W-40, 10W-30, 10W-40, 15W-40, 20W-40, 30
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)
Ford	WSS-M2C-913A/B
VW	500.00, 501.01, 505.00

Changeover Procedure

No special changeover procedure is required when changing from other lubricants to **Castrol Magnatec Professional 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 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)
Technical Advice Line: 1300 557 998
Customer Service: 1300 554 890

www.castrol.com.au

Sydney:	(02) 9795 4800	Fax: (02) 9795 4815
Melbourne:	(03) 9268 4200	Fax: (03) 9268 3915
Brisbane:	(07) 3850 9300	Fax: (07) 3850 9399
Adelaide:	(08) 8304 2200	Fax: (08) 8304 2294
Perth:	(08) 9268 9288	Fax: (08) 9268 9235

Magnatec_Professional_5W-40_119398_2009_06.doc

