

Product data

Castrol Magnatec

Product Description

Castrol Magnatec is a premium performance SAE 10W-40 engine oil that utilizes Unique Molecular Attraction (UMA) to form a lubricating surface on engine parts protecting vital components at start up and warm up like no other oil.

Castrol Magnatec contains a synthetic ester that is unique to Castrol. The molecules of this ester cling to engines surfaces like a magnet, leaving a continuous film of oil on the engine parts long after conventional oils have drained away to the bottom of the engine. Castrol calls this Unique Molecular Attraction (UMA).

UMA provides total protection for engine parts at start-up and warm-up. The outstanding level of protection provided by **Castrol Magnatec** is also applicable once an engine has reached normal operating temperature. UMA occurs at a molecular level, so the oil film is continuously refreshed during engine operation.

Castrol Magnatec is a unique innovation in lubrication technology, developed as a result of extensive scientific research to identify a way of offering total engine protection during the three stages of the drive cycle - start-up, warm-up and normal operation.

Product Application

Castrol Magnatec is formulated for all types of passenger, 4WD and light commercial vehicle engines - petrol, diesel or gas, old or new, turbocharged or naturally aspirated.

Castrol Magnatec complies with the Australian motor industry agreed phosphorus limits, to assist in prolonging catalyst and oxygen sensor life.

Castrol Magnatec is **NOT** recommended for two-stroke engines.

Product Features & Benefits

Every car engine type can experience the benefits of using unique, revolutionary **Castrol Magnatec** including:

- ✦ Dramatically reduced engine wear at start up and warm up, helping to extend the life of the engine.
- ✦ Instant protection from the moment you turn the key.
- ✦ Improved engine cleanliness through excellent detergency chemistry.
- ✦ Excellent oil consumption control.
- ✦ Low viscosity formulation for increased fuel efficiency.
- ✦ Maintains performance and viscosity throughout the service period.
- ✦ Compatible with other mineral and synthetic engine oils.

It is important to note that the superior wear protection offered by **Castrol Magnatec** will be reduced if mixed with other engine oils.

Typical Characteristics

SAE Viscosity Grade	KV @ 100° C (cSt)	KV @ 40° C (cSt)	cP @ -25° C max	Viscosity Index	Pour Point °C	TBN	Service Rating
10W-40	14.6	105	7000	142	< -35	8.2	SL/CF A3/B3

Performance Levels

- ✦ American Petroleum Institute (API) Service Classification:
 - Petrol: SL (SJ, SH and superseded classifications)
 - Diesel: CF
- ✦ Association des Constructeurs Européens d'Automobiles (ACEA):
 - Petrol: A3
 - Diesel: B3

The ACEA specifications are defined as oils that are stay-in-grade for use in high performance gasoline (A3) and passenger car and light commercial diesel (B3) engines capable of extended oil drain intervals and for use in severe operating conditions (as defined by the engine manufacturer).

- ◆ Motor Manufacturers:
 - Mercedes-Benz: 229.1
 - VW-A: 500, 505

Health, Safety & Environment

Castrol Magnatec 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.

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 Special Products Division in each State Office.

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 Australia Pty Limited (ABN 87 008 459 407)

Technical Advice Line: 1800 002 285

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) 8347 6200	Fax: (08) 8449 1800
Perth:	(08) 9268 9288	Fax: (08) 9268 9235

