

Product data

Magnatec 5W-40 SP PRODUCT DESCRIPTION

Castrol Magnatec 5W-40 SP is a synthetic SAE 5W-40 multigrade engine oil that utilizes Unique Molecular Attraction to form a lubricating surface on engine parts, protecting vital components at start-up and during warm-up better than any “normal” oil can. Castrol Magnatec 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 5W-40 SP 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 5W-40 SP combines the unique protection of Castrol UMA technology with outstanding low temperature fluidity and high temperature protection.

PRODUCT APPLICATION

Castrol Magnatec 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 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
Ford – imported models and BA XR6 Turbo
Holden – Barina SB, XC; Astra TR, TS SRi; Vectra JR, JS, ZC; Calibra; Cruze, Zafira; Jackaroo petrol and diesel models
Honda – all models

Hyundai – models using 15,000 km service intervals
Mitsubishi – Lancer, CC, CD, CE; Magna TE/TF, TH, TJ; Verada KE/KF, KH, KJ
Peugeot – 206, 306, 405, 406, 605 – petrol and diesel models
Subaru – Impreza 2 Litre, WRX; Forester, Liberty, Outback
Toyota – all multivalve engines

PRODUCT FEATURES AND 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.	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 and 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

PERFORMANCE LEVELS

Castrol Magnatec 5W-40 SP is suitable for use where the following specifications or classifications are cited.

Performance	
API SL Where these SAE grades cited	Petrol engines, supersedes 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 (engine performance)
ACEA B3	High performance Diesel passenger car, 4WD and light commercial vehicles; surpasses B2, B1 (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 5W-40 SP**. Drain existing oil while still warm or hot. Replace oil filter and refill to correct oil level for engine.

TYPICAL CHARACTERISTICS

SAE Viscosity Grade	5W-40
Viscosity @ 40°C (cSt)	84.7
Viscosity @ 100°C (cSt)	13.6
Pour Point °C	<-36
API Rating	SL/CF
ACEA Rating	A3/B3
Viscosity Index	161
Viscosity, cP @ -30°C	6200 max

The above data is typical and does not constitute a specification

Health, Safety and Environment

Castrol Magnatec 5W-40 SP is considered non hazardous according to Worksafe. However, in line with safe standards handling practices it is recommended that the handling instructions outlined in the Castrol Material Safety Data Sheet be followed. Minimise skin contact with used oil and take care with hot oil to prevent burns.

Spillage

- Small:** Soak up using an inert mineral absorbent such as Castrol MOP 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 ground water, 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 Non-Oil Products Division in each State Office.

Although all reasonable care has been taken to ensure that the information 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 in: the blend of 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.

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