



Product Data

Magnatec Hybrid 0W-16

NON-STOP HYBRID PROTECTION FROM EVERY START

Description

From using the electric motor to combustion engine or both, hybrid vehicles can switch between modes. These fast changes often leave the engine inactive and may not get as hot as a non-hybrid.

Lower engine temperatures, frequent re-starts in traffic, and switching power modes all contribute to oil contamination. Without additional heat from the engine, water and other contaminants remain in the oil, which may cause the oil to be less effective at protecting your hybrid engine.

Castrol MAGNATEC Hybrid can address these challenges. It clings like a magnet to low-temperature contaminants and locks to critical hybrid engine parts, delivering 50% better engine wear protection*. This helps safeguard crucial components – the valvetrain, timing chain, pistons, bearings – from damage and wear.

Choose non-stop hybrid protection from every start. Choose Castrol MAGNATEC.

For more product information, visit castrol.com.

#ClingsLocksProtects

* Tested using an industry standard wear test, measured versus relevant industry limit.

Application

Castrol MAGNATEC Hybrid 0W-16 is suitable for use in automotive gasoline and hybrid vehicles where the manufacturer recommends API SP, ILSAC GF-6B or earlier specification 0W-16 lubricant.

Advantages

Castrol MAGNATEC Hybrid clings to low-temperature contaminants and locks to critical hybrid engine parts, delivering 50% better engine wear protection*. Helping to safeguard your hybrid engine's crucial components, whether your hybrid vehicle drives on the internal combustion engine alone, or the electric motor, or both:

- Forms a resistive barrier between metal contact points in the valvetrain
- Manages abrasive piston deposits, guarding against cylinder liner wear
- Maintains timing chain tension and engine synchronicity by minimizing chain damage and elongation
- Preserves engine bearings from corrosive wear.

Castrol MAGNATEC Hybrid 0W-16 delivers against HYSPEC – Castrol's new standard for hybrid performance**.

* Tested using an industry standard wear test, measured versus relevant industry limit.

** Across critical areas of contaminants, engine intermittency and system efficiency.

Typical Characteristics

Name	Method	Units	Castrol Magnatec Hybrid 0W-16
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	38
Pour Point	ASTM D97	°C	-45
Flash Point, PMCC	ASTM D93	°C	202
Density @ 15C, Relative	ASTM D4052	g/ml	0.844
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	7.3
Viscosity, CCS -35C (0W)	ASTM D5293	mPa.s (cP)	5810
Viscosity Index	ASTM D2270	None	159
Ash, Sulphated	ASTM D874	% w t	0.79

Performance

API SP
ILSAC GF-6B

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Magnatec Hybrid 0W-16
16 Apr 2024

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol (UK) Limited, PO BOX 354, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW
Orders/Enquiries: 0345 6008125 Technical Enquiries: 0345 082 1719 BP (Ireland) Ireland Orders/Enquiries: 1850 930 3942 Ireland Technical Enquiries: 1800 509 353
www.castrol.com/uk