Product Data

# MAGNATEC Hybrid 0W-20

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.

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

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

For more product information, visit castrol.com.

#ClingsLocksProtects

** Tested using an industry standard wear test, measured versus relevant industry limit.*
*** Across critical areas of contaminants, engine intermittency and system efficiency.*

## Application

Castrol MAGNATEC Hybrid 0W-20 is suitable for use in automotive gasoline and hybrid vehicles where the manufacturer recommends an API SQ, ILSAC GF-7 or earlier specification 0W-20 lubricant, including hybrid engines.

## 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 minimising chain damage and elongation
- Preserves engine bearings from corrosive wear.

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## Typical Characteristics

| Name | Method | Units | Castrol MAGNATEC Hybrid 0W-20 |
|---|---|---|---|
| Density @ 15C, Relative | ASTM D4052 | g/ml | 0.843 |
| Viscosity, Kinematic 100C | ASTM D445 | mm²/s | 8.14 |
| Viscosity, Kinematic 40C | ASTM D445 | mm²/s | 43 |
| Viscosity Index | ASTM D2270 | None | 166 |
| Viscosity, CCS -35C (0W) | ASTM D5293 | mPa.s (cP) | 6000 |
| Pour Point | ASTM D97 | °C | -48 |
| Flash Point, PMCC | ASTM D93 | °C | 200 |
| Ash, Sulphated | ASTM D874 | % wt | 0.7 |

## Product Performance Claims

API SQ
ILSAC GF-7

## 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.


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