



Magnatec Hybrid 0W-20

NON-STOP HYBRID PROTECTION FROM EVERY START

Description

Hybrid vehicles are different. The engine operates intermittently, swapping to electric power at low speeds to move the vehicle. In typical urban driving the engine may only be in use for short periods before switching back to electric power so it is often running cooler than a non-hybrid.

Incredibly some hybrid engines can stop, switch to electric and re-start 500,000 times during their lifetime – that's 10 times more than a non-hybrid[^].

These lower temperatures and many more re-start moments create more contamination because without the extra heat from the engine, water and other contaminants remain in the oil.

All these hybrid challenges make it harder for the oil to protect against damaging engine wear.

[^] Based on Castrol testing of mild engines representing an estimated 45% of the 2022 global hybrid parc.

Application

Castrol MAGNATEC Hybrid 0W-20 is suitable for use in automotive gasoline and hybrid vehicles where the manufacturer recommends an API SP, ILSAC GF-6 or earlier specification 0W-20 lubricant, including hybrid engines.

Advantages

Castrol MAGNATEC Hybrid helps protect against the specific issues that challenge hybrid engines. Its unique DUALOCK Technology Clings like a magnet and Locks together, forming a powerful forcefield of wear Protection, providing 50% better protection from low temperature¹ and re-start² engine wear.

Castrol MAGNATEC Hybrid delivers against HYSPEC – Castrol's new standard for hybrid performance³.

¹ Tested versus the Sequence IVA API SN wear limit.

² Tested versus the CEC OM646LA ACEA wear limits.

³ Across critical areas of contaminants, engine intermittency and system efficiency.

Typical Characteristics

Name	Method	Units	Castrol Magnatec Hybrid 0W-20
Density @ 15C, Relative	ASTM D4052	g/ml	0.846
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	8.6
Viscosity, CCS -35C (0W)	ASTM D5293	mPa.s (cP)	5611
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	45
Viscosity Index	ASTM D2270	None	171
Pour Point	ASTM D97	°C	-45
Flash Point, PMCC	ASTM D93	°C	200
Ash, Sulphated	ASTM D874	% wt	0.82

Product Performance Claims

API SP
ILSAC GF-6

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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