



## Castrol MAGNATEC Hybrid 0W-20

CLINGING MOLECULES PROTECT FROM THE START

### Description

Other oils have to reach a minimum temperature before they provide full engine protection performance.

The engines in Hybrid and Stop Start Technology vehicles can run up to 40 degrees cooler\* than the engines in conventional cars because the repeated engine shut downs restrict the rise in engine temperature.

Castrol MAGNATEC's intelligent molecules cling to the engine like a magnet providing an extra layer of protection. In addition, fully-synthetic base oil is used to improve oil flow at low temperatures.

Therefore, Castrol MAGNATEC Hybrid's formulation dramatically reduces\*\* engine wear for protection even while driving when the oil temperature is low.

Now with ultra-refined molecules, for instant protection from the moment you start.

\*\* Proven by internal tests.

\*\* As tested in the industry Sequence IVA test

### Application

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

### Advantages

Castrol MAGNATEC's Intelligent Molecules:

- Cling to critical engine parts when the oil drains down;
- Cling to your engine forming an extra layer that protects during start up and beyond;
- Bond to metal surfaces to make engine parts more resistant to wear;
- Are combined with synthetic technology to provide increased protection in high and low temperature applications;
- Provide continuous protection for all driving conditions, styles and temperatures;
- Deliver superior performance under stop-start mode operation.

## Typical Characteristics

Name	Method	Units	Castrol MAGNATEC Hybrid 0W-20
Density @ 15C, Relative	ASTM D4052	g/ml	0.854
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	8.4
Viscosity, CCS -35C (0W)	ASTM D5293	mPa.s (cP)	5454
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /s	44
Viscosity Index	ASTM D2270	None	170
Pour Point	ASTM D97	°C	-42
Flash Point, PMCC	ASTM D93	°C	202.5
Ash, Sulphated	ASTM D874	% wt	0.70

## 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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