



## Castrol MAGNATEC Stop-Start 5W-30

NON-STOP PROTECTION AND IMPROVED FUEL ECONOMY FROM EVERY START

### Description

**Busy driving, reinvented.**

All cars, even those with the latest stop-start engine technology don't perform at their best in traffic congestion. And congestion has dramatically increased over the past 10 years, causing engine wear and wasting fuel.

That's why we created new Castrol MAGNATEC STOP-START, combining patented DUALOCK molecule technology with Castrol's most efficient full synthetic base oils.

**Non-stop protection from every start, even for vehicles with modern stop-start engine technology**

### Application

Castrol MAGNATEC STOP-START 5W-30 is suitable for use in automotive gasoline engines where the manufacturer recommends an API SP, ILSAC GF-6 or earlier specification 5W-30 lubricant.

### Advantages

Castrol MAGNATEC STOP-START with DUALOCK Technology:

- Forms a powerful force-field of wear protection
- Dramatically reduces both warm-up<sup>1</sup> and stop-start<sup>2</sup> wear by 50%
- Could even deliver 50L annual fuel saving<sup>3</sup> during busy stop-start driving
- Castrol MAGNATEC STOP-START 5W-30 is tested in Hybrid\*

*1 Tested versus the Sequence IVA API wear limit.*

*2 Tested versus the CEC OM646LA ACEA wear limits.*

*3. Compared to an industry reference 15W-40 oil in the EUDC cycle (for Highways), EPA NYCC (for cities) and Castrol Ultra-Idle Cycle (for congestion). Assumptions: Annual mileage of 12,000km; representative split of driving (60% on highway, 30% in city, 10% in congestion). Actual results under road conditions may vary according to vehicle type, driving conditions and style.*

*\*Toyota Prius, EPA NYCC.*

## Typical Characteristics

| Name                      | Method     | Units              | Castrol MAGNATEC Stop-Start 5W-30 |
|---------------------------|------------|--------------------|-----------------------------------|
| Density @ 15C, Relative   | ASTM D4052 | g/ml               | 0.849                             |
| Viscosity, Kinematic 100C | ASTM D445  | mm <sup>2</sup> /s | 10.0                              |
| Viscosity, CCS -30C (5W)  | ASTM D5293 | mPa.s (cP)         | 5600                              |
| Viscosity, Kinematic 40C  | ASTM D445  | mm <sup>2</sup> /s | 59                                |
| Viscosity Index           | ASTM D2270 | None               | 158                               |
| Pour Point                | ASTM D97   | °C                 | -39                               |
| Flash Point, PMCC         | ASTM D93   | °C                 | 201                               |
| Ash, Sulphated            | ASTM D874  | % wt               | 0.78                              |

## 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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