

**Extended Fuel Economy oil for Gasoline & Hybrid gasoline engines  
Technosynthese®**

## TYPE OF USE

Synthetic Technosynthese® engine lubricant for extended Fuel Economy.

Specially designed for recent vehicles powered by Gasoline & Hybrid gasoline engines, naturally aspirated or turbo-charged, indirect or direct injection, requiring use of a "Fuel Economy" low friction and low HTHS (High Temperature High Shear) viscosity oil ( $\geq 2.6$  mPa.s).

Suitable for modern gasoline engines requiring a viscosity grade 20 and fuel economy lubricant (API SP and/or ILSAC GF-6A standard).

Improves fuel economy, engine response and protects against the risks of LSPI (Low Speed Pre-Ignition) abnormal combustions.

Compatible with catalytic converters.

This type of oil may be unsuitable for use in some engines. Refer to the owner manual if in doubt.

## PERFORMANCES

The API SP standard is fully backward compatible over API SN standard and all former API standards.

API SP lubricants provide outstanding oxidation resistance, better anti-deposits protection, better engine cleanliness, anti-wear protection and enhanced performance at cold temperature for Fuel Economy savings during the whole oil life span.

Turbocharged gasoline engines with direct injection have a certain risk of sporadic pre-ignition phenomena in the combustion chambers. This type of sporadic abnormal combustion called LSPI for Low Speed Pre-Ignition generates very high pressure peaks in the combustion chamber that can lead to piston damages and ultimately to engine destruction. The API SP standard now fully covers this LSPI requirement in order to perfectly protect direct injection turbocharged gasoline engines.

Based on the API SP specification, the ILSAC GF-6A standard is even more severe especially on the energy saving criteria. The requirements on the low viscosity "Fuel Economy" side of the lubricant, but also extended drain intervals, clean pistons/rings, seals compatibility and reduced content of phosphorus for after treatment systems compatibility are enhanced. The ILSAC GF-6A specification ensures perfect engine protection when gasoline containing up to 85% Ethanol is used (E85).

MOTUL ASIAN IMPORT 0W-20 provides high lubricating properties such as wear protection and high temperature resistance for better controlled oil consumption, improves oil flow at start up for faster oil pressure build up, faster rev raisings, faster operating temperature reach and fuel economy benefits.



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Environment friendly, this type of oil allows fuel consumption reduction and therefore minimizes greenhouse gases (CO<sub>2</sub>) emissions.

### RECOMMENDATIONS

Drain interval: according to manufacturers' recommendations and tune to your own use.  
MOTUL ASIAN IMPORT 0W-20 can be mixed with synthetic or mineral oils.  
Before use always refer to the owner manual or handbook of the vehicle.

### PROPERTIES

|                                 |            |                         |
|---------------------------------|------------|-------------------------|
| Viscosity grade                 | SAE J 300  | 0W-20                   |
| Density at 20°C (68°F)          | ASTM D1298 | 0.844                   |
| Viscosity at 40°C (104°F)       | ASTM D445  | 45.8 mm <sup>2</sup> /s |
| Viscosity at 100°C (212°F)      | ASTM D445  | 8.4 mm <sup>2</sup> /s  |
| HTHS viscosity at 150°C (302°F) | ASTM D4741 | 2.7 mPa.s               |
| Viscosity Index                 | ASTM D2270 | 164.0                   |
| Pour point                      | ASTM D97   | -47.0 °C / -53.0 °F     |
| Sulfated Ash                    | ASTM D874  | % weight 0.73           |
| TBN                             | ASTM D2896 | 7.1 mg KOH/g            |
| Flash point                     | ASTM D92   | 223.0 °C / 433.0 °F     |

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.

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| STANDARDS |                |
|-----------|----------------|
| API       | PERFORMANCE SP |
| ILSAC     | GF-6A          |

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