



MOTUL 6100 SYN-ENERGY 5W-30

**Gasoline and Diesel lubricant for extended engine life
Technosynthese®**

TYPE OF USE

Synthetic Technosynthese® lubricant specifically designed for modern cars fitted with Gasoline and Diesel engines, naturally aspirated or turbocharged, indirect or direct injection.

Provides superior engine cleanliness and high protection for extended engine life.

Protects against the risks of LSPI (Low Speed Pre-Ignition) abnormal combustions.

Suitable for all type of fuels: leaded or unleaded Gasoline, Ethanol, LPG, Diesel and biofuels.

Compatible for catalytic converters (CAT).

PERFORMANCES

STANDARDS

ACEA A3/B4

API PERFORMANCE SP

The ACEA B4 performance requires an outstanding detergent/dispersant power and a better viscosity increase resistance due to soot produced by Direct Injection Diesel engines (except VW unit injector engines that require a VW 505 01 product such as MOTUL 8100 X-CLEAN EFE 5W-30).

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.

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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RECOMMENDATIONS

Drain interval: refer to manufacturers' recommendations and tune to your own use.
MOTUL 6100 SYN-ergy 5W-30 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	5W-30
Density at 20°C (68°F)	ASTM D1298	0.854
Viscosity at 40°C (104°F)	ASTM D445	74.8 °C
Viscosity at 100°C (212°F)	ASTM D445	12.1 °F
HTHS viscosity at 150°C (302°F)	ASTM D4741	3.5 mPa.s
Viscosity Index	ASTM D2270	159.0
Pour point	ASTM D97	-48.0 °C / -54.0 °F
Sulfated Ash	ASTM D874	% weight 1.32
TBN	ASTM D2896	10.4 mg KOH/g
Flash point	ASTM D92	226.0 °C / 439.0 °F

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