



MOTUL 4100 SYN-ENERGY 15W-50

**Gasoline and Diesel engine oil
Technosynthese®**

TYPE OF USE

Synthetic Technosynthese® lubricant specially designed for cars powered by Gasoline or Diesel engines, naturally aspirated or turbocharged, indirect or direct injection.

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

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

Compatible for catalytic converters.

Before use always refer to the owner manual or handbook of the vehicle.

PERFORMANCES

STANDARDS

ACEA A3/B4

API PERFORMANCE SP

The ACEA B4 performance requires an outstanding detergent/dispersant capacity and a better viscosity increase resistance due to soot produced by direct injection Diesel engines (except VW unit injector engines that require MOTUL 8100 X-CLEAN 5W-40).

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.

Its viscosity grade SAE 15W-50 is fully suitable for many Gasoline and Diesel engines working in all climate conditions and is designed to allow reduced oil consumption.

The synthetic base stock reinforced with Technosynthese® provides very high lubricating power which reduces frictions decreases the volatility and ensures resistance to very high temperatures reached in modern engines.

Anti-oxidation, Anti-wear, Anti-corrosion, Anti-foam properties.



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RECOMMENDATIONS

Drain interval: according to manufacturers' recommendations and tune to your own use.

Can be mixed with synthetic or mineral oils.

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PROPERTIES

Viscosity grade	SAE J 300	15W-50
Density at 20°C (68°F)	ASTM D1298	0.870
Viscosity at 40°C (104°F)	ASTM D445	146.0 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	19.6 mm ² /s
Viscosity Index	ASTM D2270	154.0
Pour point	ASTM D97	-45.0 °C / -49.0 °F
TBN	ASTM D2896	11.0 mg KOH/g
Flash point	ASTM D92	226.0 °F / 439.0 °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.