

**TYPE OF USE**

Advanced Technosynthese® Fuel Economy engine oil High Performance.

Particulary recommended for CHRYSLER, FORD et GM – General Motors.

Specially designed for recent vehicles powered by Gasoline and Diesel engines, naturally aspirated or turbocharged, 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 SN and/or ILSAC GF-5 standard).

Meets GM dexos1® specification for GM gasoline engines requiring this standard: BUICK, CADILLAC, CHEVROLET or GMC.

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**

STANDARDS                      API SERVICE SN / CF  
   ILSAC GF-5

PERFORMANCES                CHRYSLER MS 6395, FORD M2C 930 A, FORD M2C 945 A, GENERAL MOTORS GM  
   6094 M, GENERAL MOTORS GM dexos1

RECOMMENDATIONS:

Gasoline engines: ACURA, CHEVROLET, CHRYSLER, JEEP, FORD, HONDA, HYUNDAI, INFINITI, LEXUS, MAZDA, NISSAN, SUBARU, TOYOTA ...

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

API SN 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.

Based on the API SN specification, the ILSAC GF-5 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-5 specification ensures perfect engine protection when gasoline containing up to 85% Ethanol is used (E85).

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. Made in FRANCE

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GM dexos1® standard is suitable for the whole range of GM Gasoline engines from Model Year 2011 onwards requiring an approved dexos1 lubricant (except for service fill in Europe). Specification GM dexos1® is designed for use with gasoline engines and replaces GM-LL-A-025, GM 6094A,...6094M and GM 4718M. GM dexos1® is also backward compatible for pre-2011 GM gasoline vehicles.

GM dexos1® standard combines very stringent requirements from international standards like API, ACEA and ILSAC, together with specific GM requirements to prove Fuel Economy benefits and engine durability.

GM has developed its dexos1® standard in order for the oils to provide a high thermal stability and insure an outstanding resistance at high temperatures to avoid black sludge and viscosity increase that soot, coming from combustion residues, may create.

MOTUL 6100 SAVE-lite 5W-20 meets all these highly demanding requirements of performance and durability set by GM, including in particular for dexos1® standard, the full compatibility to biofuels use such as LPG (Liquefied Petroleum Gas), CNG (Compressed Natural Gas), and bioethanol (as available at the station), when using ethanol biofuel at a mix ratio of up to 85% (Bioethanol – E85).

The CHRYSLER MS 6395 performance level requires engine oil to be API certified and to be at least ILSAC GF-4 in order to perfectly lubricate some gasoline engines of CHRYSLER, DODGE and JEEP vehicles.

The FORD M2C 930A specification requires that the engine lubricant be ILSAC GF-5 and FORD M2C 945A to be ILSAC GF-5 in order to perfectly lubricate some gasoline engines of FORD, LINCOLN and MERCURY vehicles.

Some other OEMs require for their most recent Gasoline engines an API SN and/or ILSAC GF-5 lubricant to guarantee the maximum performance and durability. Examples of MOTUL 6100 SAVElite 5W-20 possible use for these OEMs: HONDA, SUBARU and TOYOTA gasoline engines.

MOTUL 6100 SAVE-lite 5W-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.

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 6100 SAVE-lite 5W-20 can be mixed with synthetic or mineral oils.

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

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**PROPERTIES**

Viscosity grade	SAE J 300	5W-20
Density at 20°C (68°F)	ASTM D1298	0.847
Viscosity at 40°C (104°F)	ASTM D445	46.6 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)	ASTM D445	8.3 mm <sup>2</sup> /s
HTHS viscosity at 150°C (302°F)	ASTM D4741	2.6 mPa.s
Viscosity Index	ASTM D2270	154.0
Pour point	ASTM D97	-38.0 °C / -36.0 °F
Flash point	ASTM D92	233.0 °C / 451.0 °F
Sulfated Ash	ASTM D874	0.90 % weight
TBN	ASTM D2896	8.6 mg KOH/g

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