



6100 Synergie+ 10W-40

Gasoline and Diesel engine oil

Technosynthese®

TYPE OF USE

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

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 SERVICE SN / CF
APPROVALS	MB-Approval 229.3 RENAULT RN0710 under n° RN0710-18-16 RENAULT RN0700 under n° RN0700-18-17 VW 501 01 - 505 00
PERFORMANCES	PSA B71 2300

Worldwide innovation: MOTUL 6100 SYNERGIE+ 10W-40 is the first lubricant in the world to be MB 229.3 approved in SAE 10W-40 viscosity grade.

The MB 229.3 standard is more stringent than the 229.1 in terms of aging resistance (extended drain interval: on board computer) and Fuel Economy performance: 1.2% Fuel Economy improvement compare to a 15W-40 oil reference. The MB 229.3 standard applies for most of MERCEDES Gasoline engines and the majority of MERCEDES Diesel engines without DPF (Diesel Particulate Filter).

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 SPECIFIC 505 01 502 00 505 00 5W-40 or MOTUL 8100 X-CLEAN 5W-40).

The API SN performance guarantees the highest level of performance for the lubricant in terms of engine cleanliness and wear protection.

PSA for its B71 2300 norm requires oil to be able to endure the most severe thermal constrains in order to lubricate some of their Gasoline engines and some Diesel engines without DPF.

RENAULT has developed RN0710 and RN0700 standards for oils able to provide a high thermal stability and insure an outstanding resistance at high temperatures.

In general, RN0700 standard applies for all Naturally Aspirated Gasoline engines (except Renault Sport) of RENAULT Group (RENAULT, DACIA and SAMSUNG). The RN0700 standard applies also to all RENAULT vehicles fitted with Diesel engine 1.5 dCi without DPF < 100 HP with oil drain interval of 20 000 km or 1 year. Before use, always refer to the owner manual or handbook of the vehicle.

The Renault RN0710 standard applies to all Turbocharged Gasoline, Renault Sport and Diesel without DPF engines of RENAULT Group (Renault, Dacia, Samsung).

The RN0710 specification does not apply to RENAULT Diesel cars fitted with 1.5L dCi engines without DPF having less than 100 hp output and 20 000 km or 1-year oil drain interval which specifically require a RN0700 lubricant. For the 2,2L dCi with DPF, use only an approved RN0710 lubricant, not a RN0720. Before use, always refer to the owner manual or handbook of the vehicle.

The viscosity grade SAE 10W-40 is fully suitable for recent Gasoline and Diesel engines.

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.

RECOMMENDATIONS

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

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	10W-40
Density at 20°C (68°F)	ASTM D1298	0.862
Viscosity at 40°C (104°F)	ASTM D445	102.5 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	15 mm ² /s
Viscosity Index	ASTM D2270	153
Pour point	ASTM D97	-36°C / -33°F
Flash point	ASTM D92	228°C / 442°F
TBN	ASTM D2896	10.4 mg KOH/g