

**Gasoline & Diesel lubricant - Euro 4, 5 and 6
Technosynthese®****TYPE OF USE**

Advanced Technosynthese® lubricant for High Performance and High Protection. Recommended by CHRYSLER, GM, MERCEDES and VAG (Volkswagen, Audi, Skoda and Seat).

Specially designed for the latest generation cars, powered by Gasoline and Diesel engines, naturally aspirated or turbo-charged, indirect or direct injection, Euro 4, 5 or 6 emission regulation compliant and requiring an ACEA C3 engine oil i.e. high HTHS (> 3.5 mPa.s) viscosity and "Mid SAPS" with reduced content of Sulfated Ash ($\leq 0.8\%$), Phosphorus ($0.07 \leq x \leq 0.09\%$) and Sulfur ($\leq 0.3\%$).

Compatible with catalytic converters (CAT) and Diesel Particulate Filters (DPF).

Always refer to the owner's manual if in doubt.

PERFORMANCES

STANDARDS	ACEA C3 API PERFORMANCE SN
APPROVALS	MERCEDES-BENZ MB-Approval 229.51
PERFORMANCES	CHRYSLER MS 11106, GENERAL MOTORS GM dexos2™ (replaces GM-LL-A-025 & B-025), VW 505 01 505 00
RECOMMENDATIONS	HONDA, HYUNDAI, KIA, MITSUBISHI, NISSAN, SSANGYONG, SUBARU, SUZUKI, TOYOTA

Engines compliant with Euro 4, 5 and 6 emission regulations are fitted with sensitive exhaust gas after treatment systems. Indeed, Sulfur and Phosphorus inhibit catalytic converter operation leading to inefficient exhaust gas treatment. Also, Sulfated Ashes clog DPFs leading to shorten regenerating cycles, quick oil aging, higher fuel consumption and engine power loss.

The ACEA C3 standard requires from the lubricant significant oil film resistance and low emission performance during use in powerful engines.

MOTUL 6100 SYN-clean 5W-30 has Technosynthese® synthetic base stocks coupled with specific friction modifier molecules and dedicated SAPS levels that generate outstanding oil film resistance, reduce friction in the engine and provide

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

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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MOTUL**MOTUL 6100 SYN-CLEAN 5W-30****DPF****Gasoline & Diesel lubricant - Euro 4, 5 and 6
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after treatment devices compatibility. MOTUL 6100 SYN-clean 5W-30 brings high lubricating properties such as wear protection and high temperature resistance for better controlled oil consumption. ACEA C3 lubricants can achieve extended drain intervals as managed by the vehicle on-board computer.

Numerous OEMs such as HONDA, KIA / HYUNDAI, MITSUBISHI, NISSAN, SUBARU, SUZUKI, SSANGYONG, TOYOTA... recommend an ACEA C3 lubricant for most of their vehicles, especially Diesels with DPF.

The MB 229.51 requires among many other severe constrains from the lubricant a reduced content of Sulfated Ash, Phosphorus and Sulphur in order to be compatible with MERCEDES exhaust gas after treatment systems. The specification MB 229.51 applies to some MERCEDES Gasoline engines, and to all MERCEDES Diesel engines, with or without DPF (except for BlueTEC engines with SCR. In this case use a MB 229.52 lubricant such as MOTUL SPECIFIC 229.52 5W-30 or MOTUL 8100 X-CLEAN EFE 5W-30).

The CHRYSLER MS 11106 performance level requires the engine oil to combine both MB 229.51 and 5W-30 in order to perfectly lubricate some Diesel engines of CHRYSLER and JEEP vehicles.

In countries with relevant Diesel passenger car market shares e.g. Europe, the GM-OPEL dexos2® standard is suitable for the whole range of GM-OPEL Diesel engines (including DPF versions) and Gasoline engines from Model Year 2010. Also, GM-OPEL dexos2® fully supersedes and replaces the previous GM specifications: GM-LL-A-025 (Gasoline) and GM-LL-B-025 (Diesel).

Specifications VW 505 00 and VW 505 01 require high detergent/dispersant power, high oil film resistance and better viscosity increase resistance (due to soot) in order to cover many old Diesel engines and especially Direct Injection Diesel engines with unit pump injector system (fixed oil drain interval, check owner's manual). Attention, do not use MOTUL 6100 SYN-clean 5W-30 when a VW 504 00 or VW 507 00 lubricant is required, in that case use MOTUL SPECIFIC 504 00 507 00 5W-30, MOTUL SPECIFIC 504 00 507 00 0W-30 or MOTUL 8100 X-CLEAN+ 5W-30.



MOTUL 6100 SYN-CLEAN 5W-30

DPF

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RECOMMENDATIONS

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

Do not mix with lubricants not ACEA C3 compliant.

Before using, always refer to the owner's manual or handbook of the vehicle.

PROPERTIES

Viscosity grade	SAE J 300	5W-30
Density at 20°C (68°F)	ASTM D1298	0.851
Viscosity at 40°C (104°F)	ASTM D445	72.5 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	12.2 mm ² /s
HTHS viscosity at 150°C (302°F)	ASTM D4741	3.5 mPa.s
Viscosity Index	ASTM D2270	161.0
Pour point	ASTM D97	-38.0 °C / -36.0 °F
Sulfated Ash	ASTM D874	0.79 % weight
TBN	ASTM D2896	7.4 mg KOH/g
Flash point	ASTM D92	226.0 °C / 439.0 °F

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