



MOTUL SPECIFICXOS2 5W-30



**GM-OPEL Gasoline and Diesel engine oil
Synthetic Technology**

TYPE OF USE

High performance synthetic technology Fuel Economy Engine Oil exclusively designed for GM-OPEL engines requiring a lubricant approved dexos2™ by GENERAL MOTORS.

Universal engine oil for most GM-OPEL engines allowing at the same time outstanding lubrication (high HTHS >3.5 mPa.s) and real Fuel Economy performance.

Also suitable for any engine calling for API SN/CF or ACEA C3 lubricant.

Suitable for any type of fuel : gasoline, bio ethanol, diesel, biodiesel, LPG and CNG.

May be unsuitable for use in some engines. Before use, always check the owner's manual or handbook.

PERFORMANCES

STANDARDS

ACEA C3

API PERFORMANCE SN/CF

APPROVALS

GENERAL MOTORS GM dexos2™

Recent GM-OPEL engines compliant with Euro 4, 5 and 6 emission regulations are fitted with very sensitive exhaust gas after treatment systems. Indeed, Sulfur and Phosphorus inhibit catalytic converters (CAT) operation leading to inefficient exhaust gas treatment; and Sulfated Ash clog Diesel Particulate Filters (DPF) leading to shorten regenerating cycle, quick oil aging, higher fuel consumption and engine power loss.

GM-OPEL for its dexos2™ norm requires oil to be able to endure the most severe thermal constraints along with modern after treatment systems compatibility. Compare to the old GM-LL-A-025 & GM-LLB-025 standards, this induced for the oil to be "Mid SAPS" formulated, with reduced contents of Sulfated Ash, Phosphorus and Sulphur, for longer preservation of after treatment systems such as CATs and DPFs.

GM-OPEL has developed its dexos2™ 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.

dexos2™ standard is suitable for the whole range of GM-OPEL Diesel engines (including DPF versions) and most of Gasoline engines from Model Year 2010. Also, dexos2™ fully supersedes and replaces the previous GM specifications : GM-LL-A-025 (Gasoline) and GM-LL-B-025 (Diesel).

MOTUL SPECIFIC dexos2™ 5W-30 meets all these highly demanding requirements of performance and durability set by

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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GM-OPEL, including in particular for dexos2™ standard, the full compatibility to biofuels use such as LPG (Liquefied Petroleum Gas), CNG (Compressed Natural Gas), biodiesel (as available at the station) and bioethanol, when using bioethanol at a mix ratio of up to 85% (Bioethanol – E85).

RECOMMENDATIONS

Drain interval : refer 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 of the vehicle.

PROPERTIES

Viscosity grade	SAE J 300	5W-30
Density at 20°C (68°F)		0.850
	ASTM D445	69.6 mm²/s
Viscosity at 40°C (104°F)		
	ASTM D445	12.0 mm²/s
Viscosity at 100°C (212°F)		
HTHS viscosity at 150°C (302°F)	ASTM D4741	3.5 mPa.s
	ASTM D2270	170.0
Viscosity Index		
	ASTM D97	-36.0 °C / -33.0 °F
Pour point		
Sulfated Ash	ASTM D874	
		% weight
		0.78
TBN	ASTM D2896	7.4 mg KOH/g
Flash point	ASTM D92	232.0 °C / 450.0 °F

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