



# SPECIFIC dexos2<sup>TM</sup>

## 5W-30



### GM-OPEL Gasoline and Diesel engine oil 100% Synthetic

#### TYPE OF USE

High performance 100% synthetic **Fuel Economy** Engine Oil exclusively designed for GM-OPEL engines requiring a lubricant **approved dexos2<sup>TM</sup>** 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 SM/CF or ACEA C3 lubricant.

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

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

#### PERFORMANCES

STANDARDS API SM / CF – ACEA C3

APPROVALS GM-OPEL **dexos2<sup>TM</sup>** (replaces GM-LL-A-025 & GM-LL-B-025) under n° GB2A0107011.

Recent GM-OPEL engines, compliant with EURO IV and EURO V emission regulation, are fitted with very sensitive exhaust gas after treatment systems :

- Sulfur and Phosphorus inhibit catalytic converters (CAT) operation : inefficient exhaust gas treatment.
- Sulfated Ashes clog Diesel particulate filters (DPF) : shorter regenerating cycle, higher fuel consumption and engine power loss.

GM-OPEL for its dexos2<sup>TM</sup> norm requires oil to able to endure the most severe thermal constrains along with modern after treatment systems compatibility. Compare to the old GM-LL-A-025 & GM-LL-B-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 dexos2<sup>TM</sup> 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<sup>TM</sup> 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<sup>TM</sup> fully supersedes and replaces the previous GM specifications : GM-LL-A-025 (Gasoline) and GM-LL-B-025 (Diesel).

MOTUL SPECIFIC dexos2<sup>TM</sup> 5W-30 meets all these highly demanding requirements of performance and durability set by GM-OPEL, including in particular for dexos2<sup>TM</sup> standard, the full compatibility to bio fuels 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).

#### RECOMMENDATION

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

Can be mixed with synthetic or mineral oils.

#### PROPERTIES

Viscosity grade	SAE J 300	<b>5W-30</b>
Density at 20°C (68°F)	ASTM D1298	0.850
Viscosity at 100°C (212°F)	ASTM D445	12.0 mm <sup>2</sup> /s
Viscosity at 40°C (104°F)	ASTM D445	69.6 mm <sup>2</sup> /s
Viscosity HTHS at 150°C (302°F)	ASTM D4741	3.54 mPa.s
Viscosity index	ASTM D2270	170
Pour point	ASTM D97	-36°C / -32.8°F
Flash point	ASTM D92	232°C / 449.6°F
Sulfated ash	ASTM D874	0.78% weight
TBN	ASTM D2896	7.4 mg KOH/g

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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