MOTUL 8100 X-MAX 0W-30

Gasoline and Diesel engine oil
Synthetic Technology

TYPE OF USE

High performance synthetic technology lubricant featuring Full SAPS technology, specifically designed for powerful and recent cars fitted with large displacement engines, Gasoline and Diesel, direct or indirect injection, with or without turbo. Approved by Mercedes, Volvo and Volkswagen.

PERFORMANCES

STANDARDS	ACEA A3/B4 API SERVICE SL
APPROVALS	BMW LL-01 MERCEDES-BENZ MB-Approval 229.5 VOLVO VCC 95200356
PERFORMANCES	VW 502 00 505 00, RENAULT RN0710 - RN0700

The MERCEDES MB 229.5 standard is more stringent than 229.3 in terms of oil ageing and oil film resistance (extended drain interval: on-board computer), detergent/dispersant power (ACEA B4) and requests fuel economy performance: 1.7% fuel economy improvement versus a 15W-40 reference.
The specification MB 229.5 applies to all MERCEDES Gasoline engines, except for AMG and SLR models, and to all MERCEDES Diesel without DPF engines.

The specification VOLVO VCC 95200356 imposes the lubricant to be both ACEA A3/B4 and viscosity grade 0W-30 to perfectly lubricate some Gasoline and Diesel vehicles of Volvo Car Corporation group.

MOTUL 8100 X-max 0W-30 meets all these very demanding requirements of performance and durability set by OEMs, as well as international standards such as ACEA and API.
The ACEA A3/B4 standard requires from the lubricant performance a very high detergent/dispersant power, a better viscosity increase resistance against deposits, and high lubricating properties such as wear protection and high temperature resistance for better controlled oil consumption and perfect
engine protection over the oil drain interval.

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The viscosity grade SAE 0W-30 minimizes oil hydrodynamic friction, allowing fuel economy especially when oil is cold. Improves oil flow at start up, faster oil pressure build up, faster rev raisings and faster operating temperature reach. Environment friendly, this type of oil allows fuel consumption reduction and therefore minimizes greenhouse gases (CO_2) emissions.

MOTUL 8100 X-max 0W-30 formulation is the perfect balance between fuel economy linked to its viscosity grade and high lubrication performance and protection (high HTHS > 3.5 mPa.s).

RECOMMENDATIONS

Drain interval: refer to manufacturers' recommendations and tune to your own use.
MOTUL 8100 X-max 0W-30 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	0W-30
Density at 20°C (68°F)	ASTM D1298	0.841
	ASTM D445	64.9 mm²/s
Viscosity at 40°C (104°F)		
	ASTM D445	12.1 mm²/s
Viscosity at 100°C (212°F)		
HTHS viscosity at 150°C (302°F)	ASTM D4741	3.6 mPa.s
	ASTM D2270	186.0
Viscosity Index		
	ASTM D97	-51.0 °C / -60.0 °F
Pour point		
Sulfated Ash	ASTM D874	
		% weight
		1.07
TBN	ASTM D2896	12.5 mg KOH/g

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Flash point	ASTM D92	224.0 °C / 435.0 °F

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