



# 8100 Eco-nergy 0W-30



**Fuel Economy Gasoline and Diesel lubricant**

**100% Synthetic**

## TYPE OF USE

**Fuel Economy Engine Oil**, 100% synthetic, specially formulated for recent engines, powered by turbo Diesel direct injection or Gasoline engines requiring use of a low friction and low HTHS (High Temperature High Shear) viscosity oil.

Suitable for all modern engines powered with turbo Diesel or Gasoline engines requiring fuel economy lubricants (ACEA A1/B1 or ACEA A5/B5 standards). Compatible for catalytic converters.

This type of oil may be unsuitable for use in some engines. Always refer to the owner manual.

## PERFORMANCES

STANDARDS                    ACEA A5 / B5  
PERFORMANCES            API SL / CF  
RECOMMENDATIONS    VOLVO, LAND ROVER, HONDA,...

The VOLVO recommendation imposes the engine oil to combine both ACEA A5/B5 and 0W-30 performance in order to perfectly lubricate most of their Naturally Aspirated and Turbocharged Gasoline engines (2.0L, 2.3L, 2.4L, 2.5L, 3.0L, 3.2L and 4.4L) produced from 2004.

Some other OEMs require also for their most recent Gasoline engines (since 2005) an ACEA A5/B5 and 0W-30 lubricant to guarantee the maximum Fuel Economy and durability performance. Examples of MOTUL 8100 Eco-clean 0W-30 possible use for these OEMs: HONDA 1.8L and 2.0L ; and LAND ROVER 3.2L.

The ACEA A5/B5 performance requests from the lubricant a real fuel economy and low emission performance for powerful engines: MOTUL 8100 Eco-nergy 0W-30 has synthetic base stocks and specific friction modifier molecules that provide outstanding oil film resistance, reduce friction in the engine, maintain the oil pressure, and generally decrease operating temperature. MOTUL 8100 Eco-nergy 0W-30 provides high lubricating properties such as wear protection and high temperature resistance for better controlled oil consumption.

Viscosity grade SAE 0W-30 minimises 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 minimises green house gases (CO<sub>2</sub>) emissions.**

## RECOMENDATIONS

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

MOTUL 8100 Eco-nergy 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	<b>0W-30</b>
Density at 20°C (68°F)	ASTM D1298	0.844
Viscosity at 40°C (104°F)	ASTM D445	53.2 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)	ASTM D445	9.95 mm <sup>2</sup> /s
HTHS viscosity at 150°C (302°F)	ASTM D4741	3.0 mPa.s
Viscosity index	ASTM D2270	177
Pour point	ASTM D97	-45°C / -49°F
Flash point	ASTM D92	220°C / 428°F
Sulfated ash	ASTM D874	1.26% weight
TBN	ASTM D2896	10.1 mg KOH/g