



# 8100 Eco-clean 5W-30



**Gasoline & Diesel engine lubricant**

**100% Synthetic**

## TYPE OF USE

High performance 100% synthetic **Fuel Economy Engine Oil** specially designed for OEMs requiring a low friction, low HTHS ( $\geq 2.9$  mPa.s) viscosity and "Mid SAPS" oil with reduced content of sulfated ash ( $\leq 0.8\%$ ), phosphorus ( $\leq 0.09\%$ ) and sulphur ( $\leq 0.3\%$ ). Suitable for the latest generation of Gasoline and Diesel engines, EURO 4, EURO 5 and EURO 6 emission regulation compliant, requiring a "Fuel Economy" lubricant: ACEA C2 standard. This lubricant meets the requirements of PSA B71 2290 standard from PEUGEOT CITROËN AUTOMOBILE.

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

May be unsuitable for use in some engines. Always refer to the owner manual or handbook if in doubt.

## PERFORMANCES

STANDARDS	ACEA <b>C2</b> API SERVICES <b>SN</b> / CF
PERFORMANCES	FIAT 9.55535-S1 PSA <b>B71 2290</b>
RECOMMENDATIONS	TOYOTA - HONDA - SUBARU

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

PSA for its B71 2290 norm requires oil to be able to endure the most severe thermal constraints along with PSA modern after treatment systems compatibility. PSA B71 2290 standard is suitable for the whole PSA Gasoline engine range and most Diesel (including DPF versions) engines.

The FIAT 9.55535-S1 performance level imposes the engine oil to combine both ACEA C2 and 5W-30 in order to perfectly lubricate the Diesel 1.3L, 1.6L and 2.0L Multijet engines of FIAT, ALFA-ROMEO, and LANCIA produced from 2007.

Some Asian OEMs require for their most recent Diesel engines (since 2006) an ACEA C2 lubricant to guarantee the maximum performance and durability. Examples of MOTUL 8100 Eco-clean 5W-30 possible use for these OEMs : TOYOTA 2.0L and 2.2L D4D ; HONDA 2.2L CDTI and DTEC ; and SUBARU 2.0L D.

MOTUL 8100 Eco-clean 5W-30 meets all these very demanding requirements of performance and durability set by OEMs, including in particular for the PSA B71 2290 norm, the full compatibility to bio fuels use such as biodiesel, when using biodiesel at a mix ratio of up to 10% (Biodiesel – B10).

## **RECOMENDATIONS**

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

Do not mix with lubricants not ACEA C2 compliant.

Before use always refer to the owner manual or handbook of the vehicle.

## **PROPERTIES**

Viscosity grade	SAE J 300	<b>5W-30</b>
Density at 20°C (68°F)	ASTM D1298	0.845
Viscosity at 40°C (104°F)	ASTM D445	57.9 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)	ASTM D445	10.4 mm <sup>2</sup> /s
HTHS viscosity at 150°C (302°F)	ASTM D4741	3.0 mPa.s
Viscosity index	ASTM D2270	171
Pour point	ASTM D97	-42°C / -43.6°F
Flash point	ASTM D92	232°C / 449.6°F
Sulfated ash	ASTM D874	0.80% weight
TBN	ASTM D2896	8.0 mg KOH/g