



# 8100 Eco-clean+ 5W-30



**Gasoline & Diesel oil for Euro IV and V engines**

**100% Synthetic**

## **TYPE OF USE**

High performance 100% synthetic **Fuel Economy** Engine Oil specially designed for the latest generation cars, powered by turbo Diesel direct injection or Gasoline engines, EURO IV, EURO V emission regulation compliant, requiring an ACEA C1 engine oil, low friction, low HTHS (< 3.5 mPa.s) viscosity oil and "Low SAPS" with reduced content of sulfated ash ( $\leq 0.5\%$ ), phosphorus ( $\leq 0.05\%$ ) and sulfur ( $\leq 0.2\%$ ).

Suitable for any type of Diesel and Gasoline engines calling for "Fuel Economy" lubricants: ACEA C1 standard.

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 **C1** - JASO **DL-1**

SPECIFICATIONS

**FORD WSS M2C 934 B**

RECOMMENDATIONS

**MAZDA** Diesel engines with Diesel Particulate Filter (DPF)

Engines compliant with EURO IV and EURO V emission regulations 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.

The specification FORD WSS M2C 934B requires high level of oil film resistance, anti-oxidation, anti-wear and detergent/dispersant properties from the lubricant as well as a significant fuel economy performance : at least 3.0% fuel economy improvement versus a 15W-40 reference.

The FORD WSS M2C 934B norm applies mostly to all JAGUAR and LAND ROVER for their latest generation of 3.0L V6 Diesel engines with DPF produced from 2009.

The MAZDA recommendations requires to use an approved JASO DL-1 or ACEA C1 lubricant in order to guarantee a fuel economy benefit and a perfect durability for most of their recent Diesel with DPF engines from MY2005.

**ACEA C1 lubricants are environment friendly and reduce fuel consumption, minimizing green house gases (CO<sub>2</sub>) emission and also achieve extended drain intervals managed by vehicles on-board computer.**

## **RECOMENDATIONS**

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

Do not mix with non ACEA C1 compliant lubricants.

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

## **PROPERTIES**

Viscosity grade	SAE J 300	<b>5W-30</b>
Density at 20°C (68°F)	ASTM D1298	0.849
Viscosity at 40°C (104°F)	ASTM D445	56.7 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)	ASTM D445	10.1 mm <sup>2</sup> /s
HTHS viscosity at 150°C (302°F)	ASTM D4741	3.24 mPa.s
Viscosity index	ASTM D2270	167
Pour point	ASTM D97	-39°C / -38.2°F
Flash point	ASTM D92	232°C / 449.6°F
Sulfated ash	ASTM D874	0.43% weight
TBN	ASTM D2896	4.8 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

MOTUL - 119 Bd Félix Faure - 93303 AUBERVILLIERS CEDEX - BP 94 – Tel : 33 1 48 11 70 00 – Fax : 33 1 48 33 28 79 – Web site : [www.motul.fr](http://www.motul.fr)