



## 8100 ECO-CLEAN+ 5W-30



Gasoline & Diesel oil for Euro 4, 5 and 6 engines  
Synthese-Technologie

### TYPE OF USE

Synthese-Technologie Motorenöl für Otto- und Dieselmotoren mit 3-Wege-Katalysator oder Rußpartikelfilter. Mit geringen Anteilen an Schwefel, Phosphor und Sulfatasche. Abgesenkte HTHS-Viskosität sorgt für reduzierten Kraftstoffverbrauch. Empfohlen für Mazda 5er-, 6er-Dieselmotoren mit DPF.

### PERFORMANCES

STANDARDS	ACEA C1
PERFORMANCES	JALOS DL-1, FORD WSS M2C 934 B, JAGUAR STJLR.03.5005
RECOMMENDATIONS	MAZDA

Engines compliant with EURO 4, EURO 5 and EURO 6 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.

JLR - Jaguar and Land Rover, have introduced their own engine oil specifications under the **STJLR** banner and the FORD WSS-M2C 934-B specification has now been morphed for Jaguar and Land Rover into the specification STJLR.03.5005.

The STJLR.03.5005 specification 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 oil.

The STJLR.03.5005 specification applies to all JAGUAR and LAND ROVER latest generation of 2.2L TD4, 3.0L V6 Diesel engines with DPF produced from MY2012 and whenever the specification FORD WSS-M2C 934-B is required from MY2006.

MAZDA recommendations require to use an approved JASO DL-1 or ACEA C1 lubricant in order to guarantee Fuel Economy benefits and a perfect durability for most of their recent Diesel with DPF engines from MY2005. For Mazda SKYACTIV-D 2.2L engines from MY2012 the specification ACEA C3 in viscosity grades 0W-30 or 5W-30 is required, the product MOTUL 8100 X-clean FE 5W-30 is to be recommended.

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development. br>

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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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.

### RECOMMENDATIONS

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

Grade de viscosité	SAE J 300	5W-30
Densité à 20°C	ASTM D1298	0.849
Viscosité à 40°C (104°F)	ASTM D445	56.7 mm <sup>2</sup> /s
Viscosité à 100°C (212°F)	ASTM D445	10.1 mm <sup>2</sup> /s
Viscosité HTHS à 150°C (302°F)	ASTM D4741	3.2 mPa.s
Indice de viscosité	ASTM D2270	167
Point éclair	ASTM D92	232 °C / 450 °F
Point d'écoulement	ASTM D97	-39.0 °C / -38.0 °F
Cendres sulfatées	ASTM D874	0.43 % masse
TBN	ASTM D2896	4.8 mg KOH/g

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