8100 Eco-clean 0W-30

Fuel Economy Gasoline & Diesel lubricant

100% Synthetic

TYPEOFUSE

High performance 100% Synthetic Fuel Economy Engine Oil specially designed for OEMs requiring a low friction, low HTHS (≥ 2.9 mPa.s) viscosity and "Mid SAPS" oil with reduced content of Sulfated Ash (≤ 0.8%), Phosphorus (≤ 0.09%) and Sulfur (≤ 0.3%). Suitable for the latest generation of Gasoline and Diesel engines, Euro 4, 5 or 6 emission regulation compliant, requiring a "Fuel Economy" lubricant: ACEA C2 standard. Compatible with catalytic converters and Diesel Particulate Filters (DPF).

PERFORMANCES

STANDARDS	ACEA C2 API SQ ILSAC GF-7A
RECOMMENDATIONS	BMW LL-12 FE MB-Approval 229.61 FORD WSS-M2C950-A VW VWC 530 35 CHRYSLER MS-13340 / MS-90047 FIAT 9.55535-GS1 / DS1 MB 227.61

The ACEA C2 standard requests from the lubricant significant Fuel Economy and Low Emission performance for powerful engines: MOTUL 8100 Eco-clean 0W-30 has synthetic base stocks and dedicated SAPS levels that generates outstanding oil film resistance, reduces friction in the engine and provides after treatment devices compatibility. MOTUL 8100 Eco-clean 0W-30 brings high lubricating properties such as wear protection and high temperature resistance for better controlled oil consumption.

The API SQ standard is fully backward compatible over API SP requirements and all former API standards. Besides being backward compatible, API SQ standard provides higher performance and protection against LSPI phenomenon for down sized direct injection turbocharged gasoline engines.

Based on the API SQ specification, the ILSAC GF-7A standard for viscosity grade 30 lubricants is even more severe especially on the Fuel Economy benefits performance. The requirements on the low viscosity "Fuel Economy" side of the lubricant, but also extended drain intervals, pistons/rings cleanliness, seals compatibility and reduced content of Phosphorus for after treatment systems compatibility are enhanced. The ILSAC GF-7A specification also ensures perfect engine protection when gasoline containing up to 85% Ethanol is used (E85).

The BMW Longlife-12 FE standard is only suitable for BMW Diesel engines certified for this purpose and produced from model year 2014 (all 3-cylinder B37 engines, 4-cylinder engines from model year 2014 and 6-cylinder engines from model year 2013) fitted with one turbocharger maximum, and for all BMW Gasoline engines from model year 2002, and is restricted only to the European Union countries, Norway, Switzerland and Liechtenstein. BMW LL-12 FE specification is not valid for engines fitted with 2 or 3 turbochargers. If in doubt, always refer to the owner manual of the vehicle.

The MB 229.61 standard is particularly demanding in terms of energy savings, and is recommended for some Gasoline and Diesel engines with particulate filters fitted in the Mercedes A, B and AMG GT class from 2018.
MB 227.61 is especially recommended for some Mercedes vehicles with CNG (compressed natural gas) engines.

MOTUL 8100 ECO-CLEAN 0W-30 is a 100% Synthetic Fuel Economy engine lubricant specially formulated to ensure optimal lubrication of FORD Duratorq 1.5L, 1.6L and 2.0L Diesel engines requiring the specification FORD 950-A.

In the context of engine and vehicle platform sharing, the Volkswagen specification VWC 530 35 mirrors this Ford specification WSS-M2C950-A for vehicles such as the VW Amarok from 2022 based on Ford T6 platform.
The FIAT 9.55535-GS1 and FIAT 9.55535-DS1 specifications impose the engine oil to combine both ACEA C2 and SAE 0W-30 performance in order to perfectly lubricate some of the latest generation of Gasoline (FIAT 9.55535-GS-1) and Diesel (FIAT 9.55535-DS-1) engines from Fiat Group (Fiat, Alfa-Romeo, Lancia). Within the FCA Group (Fiat Chrysler Automobiles), the Chrysler MS-13340 and MS-90047 specifications respectively reflect these FIAT 9.55535-GS1 and DS1 specifications within CHYSLER.

The HONDA, TOYOTA, SUBARU and SUZUKI recommendations impose the engine oil to combine both ACEA C2 and 0W-30 qualities in order to guarantee the maximum Fuel Economy and durability performance for most of their Gasoline and Diesel engines of latest generation produced since 2006. Examples of MOTUL 8100 Eco-clean 0W-30 possible use for these OEMs: HONDA 2.2L CDTI and i-DTEC ; TOYOTA 2.0L and 2.2L D4D ; SUBARU 2.0L D ; and SUZUKI SX-4 S-Cross 1.6L DDIS.

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.

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	**0W-30**
Density at 20°C	ASTM D4052	0.840
Viscosity at 40°C	ASTM D445	49.1 mm²/s
Viscosity at 100°C	ASTM D445	9.9 mm²/s
Viscosity index	ASTM D2270	192
Pour point	ASTM D97	-42°C
Flash point	ASTM D92	226°C
TBN	ASTM D2896	9.8 mg KOH/g