



8100 X-max 0W-40



**High power Gasoline and Diesel engine oil
100% Synthetic**

TYPE OF USE

High performance 100% synthetic lubricant specially designed for last generation cars, powered by powerful Gasoline or turbo Diesel direct injection engines. Recommended for high output engines requiring a lubricant with high HTHS ($> 3.5 \text{ mPa.s}$) viscosity and "Mid SAPS" with reduced content of sulfated ash ($\leq 0.8\%$), phosphorus ($0.07 \leq x \leq 0.09\%$) and sulphur ($\leq 0.3\%$).
Compatible with catalytic converters and Diesel Particulate Filters (DPF).
Suitable also for any type of fuels, unleaded or leaded Gasoline, Diesel and LPG.

PERFORMANCE

STANDARDS **API SM/CF - ILSAC GF-4**

APPROVALS **FORD WSS M2C 937 A** (FORD FOCUS RS 2.5 Duratec)

RECOMMENDATIONS NISSAN, JAGUAR, LAND-ROVER, FORD...

The API SM standard requires from the lubricant performance an outstanding detergent/dispersant power, a better viscosity increase resistance against deposits, and high lubricating properties such as wear protection and high temperature resistance for better controlled oil consumption and perfect engine protection over the oil drain interval.

Associated to the ILSAC GF-4 standard for Fuel Economy oils, MOTUL 8100 X-max 0W-40 provides real fuel saving performances. Its viscosity grade SAE 0W-40 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 (CO₂) emissions.

Specially developed in order to meet the most recent FORD technical requirements when a lubricant satisfying FORD WSS M2C 937 A is required. The FORD "937 A" specification requires an extra high oil film resistance for the lubricant to guarantee the viscosity capability over the whole oil drain interval even in severe and extreme conditions (sustained and sport driving,...).

The FORD WSS M2C 937A standard is required for all FORD Focus RS 2.5L Turbo vehicles from MY2008.

Numerous OEMs such as NISSAN, JAGUAR, LAND-ROVER, etc... recommend to use a lubricant with 0W-40 viscosity grade and API SM for most of their sporty vehicles like for example the NISSAN GT-R, 370Z, 350Z,...

MOTUL 8100 X-max 0W-40 formulation is the perfect balance between fuel economy linked to its viscosity grade and outstanding lubrication (high HTHS $> 3.5 \text{ mPa.s}$).

RECOMMENDATIONS

Drain interval : according to manufacturers' recommendations to be tuned to your own use.

Can be mixed with synthetic and mineral oils.

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

PROPERTIES

Viscosity grade	SAE J 300	0W-40
Density at 20°C (68°F)	ASTM D1298	0.842
Viscosity at 40°C (104°F)	ASTM D445	74.9 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	13.3 mm ² /s
HTHS viscosity at 150°C (302°F)	ASTM D4741	3.58 mPa.s
Viscosity index	ASTM D2270	182
Pour point	ASTM D97	-45°C / -49°F
Flash point	ASTM D92	222°C / 431.6°F
Sulfated ash	ASTM D874	0.80% weight
TBN	ASTM D2896	7.0 mg KOH/g