



# 8100 POWER 0W-20

**High Performance engine oil - Gasoline**

**100% Synthetic - *ESTER***

## **TYPE OF USE**

High Performance 100% Synthetic - ***ESTER*** engine oil inspired from the competition and specially designed for Gasoline engines, tuned or high performance, naturally aspirated or turbocharged, indirect or direct injection, and operating over a wide range of engine revs and temperatures, in the most severe road or racing conditions.

Suitable for Gasoline engines requiring an API SP viscosity grade 0W-20 lubricant.

The exclusive formula of MOTUL 8100 POWER 0W-20 is compatible with biofuels (especially the Ethanol E85) and after-treatment systems. It also protects downsized engines from the risk of LSPI (Low Speed Pre-Ignition), and its low viscosity optimizes engine response and maximum power.

Very good compatibility with catalytic converters.

Suitable for all types of Gasoline fuels, leaded or unleaded, Ethanol, LPG, and biofuels.

This type of oil may be unsuitable for use in some engines. Before use always refer to the owner's manual.

## **PERFORMANCE**

STANDARDS

API PERFORMANCE SP

***ESTER*** Technology: 100% Synthetic formula derived from competition and based on Ester ensuring outstanding oil film resistance at very high temperatures for maximum engine power and torque, as well as maximum wear protection. Stable oil pressure whatever the conditions of use, road or racing.

Turbocharged gasoline engines with direct injection have a certain risk of sporadic pre-ignition phenomena in the combustion chambers. This type of sporadic abnormal combustion resembles metallic noise from combustion chambers and is sometimes associated with a short power loss. This phenomenon called LSPI for Low Speed Pre-Ignition, or also Rumble, generates very high pressure peaks in the combustion chamber that can lead to piston damages and ultimately to engine destruction.

For their latest-generation downsized gasoline engines, which are equipped with direct injection systems and turbochargers, API has developed the API SP standard for engine lubricants in order to guarantee the perfect integrity of these gasoline engines facing the risk of these abnormal combustions.

MOTUL 8100 POWER 0W-20 meets all these very highly demanding requirements of performance and durability, including in particular for API SP standard, the full compatibility to biofuels use such as LPG (Liquefied Petroleum Gas), CNG (Compressed Natural Gas), and Bioethanol (as available at the station), when using Ethanol Biofuel at a mix ratio of up to 85% (Bioethanol – E85).

Viscosity grade SAE 0W-20 minimizes lubricant hydrodynamic friction, allows fuel economy benefits especially when the oil is cold. MOTUL 8100 POWER 0W-20 allows faster oil flow at start up, faster oil pressure build-up, sharper engine revs and faster engine warm-up.

**Environment friendly, this type of oil allows fuel consumption reduction and therefore minimizes greenhouse gases (CO<sub>2</sub>) emissions.**

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 not definitive from the order which is subject to our general conditions of sale and warranty.

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## **RECOMMENDATION**

Drain interval: according to manufacturers' recommendations and to be tuned to your own use.  
MOTUL 8100 POWER 0W-20 can be mixed with synthetic or mineral oils.  
Before use always refer to the owner manual of the vehicle.

## **PROPERTIES**

Viscosity grade	SAE J 300	<b>0W-20</b>
Density at 20°C (68°F)	ASTM D1298	0.839
Viscosity at 40°C (104°F)	ASTM D445	47.9 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)	ASTM D445	8.6 mm <sup>2</sup> /s
Viscosity index	ASTM D2270	158
TBN	ASTM D2896	8.3 mg KOH/g