



**SPEC 508 509 0W20**



**Gasoline & Diesel engine oil – Volkswagen  
100% Synthetic**

## TYPE OF USE

High Performance 100% Synthetic **Fuel Economy** Engine Oil specially designed for VAG group latest generation engines requiring an approved VW 508 00 509 00 lubricant. Particularly dedicated to some high performance Gasoline and Diesel engines from VW, AUDI, SKOD and SEAT brands, fitted with catalytic converters (CAT) and Diesel Particulate Filter (DPF). Suitable also for engines requiring a 0W-20 viscosity grade Fuel Economy lubricant type with ACEA C5 or API SN Plus standards.

Suitable for all types of fuels: gasolines, Diesels and biofuels.

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

## PERFORMANCES

STANDARDS	ACEA C5 API PERFORMANCE SN Plus
-----------	------------------------------------

APPROVALS	PORSCHE C20 VW 508 00 509 00
-----------	---------------------------------

This 100% Synthetic engine oil is exclusively formulated to lubricate the latest generation of VAG group Gasoline and Diesel engines from VW, AUDI, SKODA and SEAT requiring VW 508 00 509 00 specification.

Specific latest generation of VW and AUDI engines, high performance Gasoline and Diesel, require a very dedicated lubricant because they provide way more efforts and run at increased temperatures, while providing the same performance levels as the previous engine generations they replace.

The standard VW 508 00 509 00 is particularly demanding on the Fuel Economy performance and associated with the ACEA C5 standard for lubricants, MOTUL SPECIFIC 508 00 509 00 0W-20 provides significant energy saving performance (up to 1.5% compare to a 5W-30 reference oil). This improved fuel economy implies lower levels of pollutants and fully satisfies commitments of manufacturers such as VW, AUDI, SKODA and SEAT for CO<sub>2</sub> reduction.

VW 508 00 509 00 specification is a unique specification and therefore is not backward compatible and do not cover over any other VW standards.

The Porsche C20 specification is very demanding for the lubricant in terms of oil film resistance. It applies to all PORSCHE engines requiring this C20 standard, currently Porsche Macan R4 except for the Chinese market, as well as some Panamera and Cayenne.

MOTUL SPECIFIC 508 00 509 00 0W-20 delivers outstanding oil film resistance, while facilitating cold start, reducing fric-

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

MOTUL - 119 Bd Félix Faure - 93303 - Aubervilliers Cedex - BP 94 - FRANCE - Tel: 33 1 48 11 70 00 - Fax: 33 1 48 33 28 79 - [www.motul.com](http://www.motul.com)

**motul.com**

07/20

**MOTUL****SPEC 508 509 0W20****FUEL  
ECO****DPF****Gasoline & Diesel engine oil – Volkswagen  
100% Synthetic**

tion in the engine, maintaining the oil pressure and lowering engine operating temperatures.

Viscosity grade SAE 0W-20 minimizes lubricant hydrodynamic friction, allows fuel economy benefits especially when the oil is cold.

Through its exceptional lubricating properties, MOTUL SPECIFIC 508 00 509 00 0W-20 provides high level of wear resistance, high temperature resistance and oxidation resistance. It reduces the formation of deposits, reduces wear and enables perfect control of oil consumption.

Anti-wear, Anti-corrosion, Anti-foam properties.

## RECOMMENDATIONS

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

MOTUL SPECIFIC 508 00 509 00 0W-20 can be mixed with synthetic or mineral oils.

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

## PROPERTIES

Color	Visual	Green
Viscosity grade	SAE J 300	0W-20
Density at 20°C (68°F)	ASTM D1298	0.838
Viscosity at 40°C (104°F)	ASTM D445	42.4 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)	ASTM D445	8.1 mm <sup>2</sup> /s
HTHS viscosity at 150°C (302°F)	ASTM D4741	2.6 mPa.s
Viscosity Index	ASTM D2270	168.0
Flash point	ASTM D97	439.0 °F
Flash point	ASTM D92	226.0 °C
Pour point	ASTM D97	-45.0 °C / -49.0 °F
Sulfated Ash	ASTM D874	0.78 % weight
TBN	ASTM D2896	9.6 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. br>

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 - FRANCE - Tel: 33 1 48 11 70 00 - Fax: 33 1 48 33 28 79 - [www.motul.com](http://www.motul.com)

**motul.com**

07/20

Motul 2/2 TECHNICAL DATA SHEET