HAFA

TECHNICAL DATA SHEET

FREEWAY PREMIUM 508/509
SAE 0W-20

LONG LIFE FULLY SYNTHETIC ENGINE OIL

APPLICATIONS

FREEWAY PREMIUM 508/509 is a Long Life fully synthetic SAE 0W-20 engine oil specifically developed for the latest Volkswagen Group gasoline and diesel engines requiring the VW 508 00 / 509 00 specification.
It is particularly suitable for the latest Volkswagen and Audi TFSI, TSI and 3.0 TDI CR 160 kW engines. Its advanced formulation provides excellent fuel economy while ensuring outstanding engine protection and long service life.

PERFORMANCE

Classifications: ACEA C5-23

Specifications: VW 508 00 / 509 00
Ford WSS-M2C956-A1
Porsche C20

CUSTOMER BENEFITS

EMISSION CONTROL SYSTEM PROTECTION • FUEL ECONOMY

- Low sulphated ash formulation helps protect emission control systems and prolongs the service life of exhaust after-treatment devices.
- Enhanced engine cleanliness helps maintain optimum engine efficiency throughout the vehicle's service life.
- Excellent shear stability ensures consistent viscosity and reliable lubrication under severe operating conditions.
- Low-viscosity formulation improves fuel economy while helping to reduce exhaust emissions.

***Important:** Certain engines are not designed for use with this type of lubricant. Always consult the vehicle owner's manual before use. The VW 508 00 / 509 00 specifications are not backward compatible with earlier Volkswagen specifications.*

CHARACTERISTICS

	Method	Units	Values
Density at 15°C	-	-	*0.844*
Viscosity at 100°C	*ASTM D445*	*mm²/s*	*8.4*
Viscosity at 40°C	*ASTM D445*	*mm²/s*	*44.1*
Viscosity index	*ASTM D2270*	-	*170*
Total Base Number (TBN)	*ASTM D2896*	*mgKOH/g*	*9.0*

The characteristics shown above are typical values provided for guidance only.

Version of 30/07/2026

LRQA CERTIFIED ISO 9001 ISO 14001

RECOMMENDATIONS

Shelf Life:
36 months when stored in tightly sealed original containers under normal storage conditions.

Storage Conditions:
Store at ambient temperature in a clean, dry area protected from water, dust and moisture. Products should not be stored at temperatures above 40°C (104°F) and should be protected from direct sunlight, severe cold and large temperature fluctuations.

HEALTH, SAFETY AND ENVIRONMENT

Health and safety recommendations for this product are provided in the Safety Data Sheet (SDS), available upon request and on the HAFA website at **www.hafa.fr**.

This product should only be used for its intended purpose. When disposing of used product, protect the environment and comply with all applicable local regulations.