

TECHNICAL PRODUCT SHEET

EVO V-FE 0W—20



DESCRIPTION

EVO V-FE is a top-tier, fully synthetic, low viscosity, high fuel economy motor oil engineered with TriboACT[®] Formula. It offers maximum performance and wear protection under the most extreme service conditions. Due to its 100% synthetic nature and advanced, midSAPS additive chemistry, it will retain its rheological characteristics and offer superior performance and protection to specific new, fuel-efficient gasoline- & diesel-powered engine units with emission after-treatment technologies designed by VW Group.

APPLICATIONS

EVO V-FE with TriboACT[®] Formula is an advanced, long-life mid-SAPS lubricant engineered to satisfy the demanding VW 508.00/509.00 specifications for modern high-efficiency engines. Its low-viscosity synthetic base stocks and optimized additive system deliver rapid oil circulation during cold starts, reduced internal friction, and measurable fuel-economy gains, supporting OEM strategies for lower CO₂ emissions. The formulation provides robust protection for direct and indirect injection gasoline engines equipped with GPF systems, as well as contemporary diesel engines fitted with DPF units, ensuring clean-running performance and extended after-treatment durability. Enhanced LSPI-mitigation chemistry safeguards downsized, high-torque turbocharged engines under low-speed, high-load conditions. MAGMA SYN V/FE is suitable for a wide range of Audi, VW, Škoda, SEAT, and Porsche applications, including vehicles operating on B20 biodiesel, E25 ethanol blends, CNG/biomethane, and mild-hybrid architectures, and meets the performance expectations of any engine requiring a premium ACEA C5, low-HTHS SAE 0W-20 lubricant.

SPECIFICATIONS

API	SP RC (<i>Approved</i>)
API	SN Plus (<i>Approved</i>)
ILSAC	GF-6A

PROPERTIES

EVO V-FE is a fully synthetic, ultra-low-viscosity lubricant engineered with the TriboACT[®] Formula to deliver superior mechanical efficiency and long-term engine cleanliness. Its advanced synthetic base oil matrix provides outstanding low-temperature fluidity, ensuring rapid oil circulation and immediate component protection during cold starts, even under severe winter conditions. The formulation is optimized to meet the stringent VW 508.00/509.00 requirements, combining low HTHS viscosity with a controlled volatility profile to minimize evaporation losses and maintain stable viscosity throughout extended service intervals. A highly specialized additive package enhances oxidative stability, deposit control, and anti-wear performance while supporting the durability of modern after-treatment systems. This chemistry also contributes to reduced frictional losses and improved fuel-economy characteristics, making the oil suitable for next-generation high-efficiency powertrains operating under demanding thermal and mechanical loads.



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BENEFITS

EVO V-FE is formulated to deliver exceptionally high levels of wear resistance and deposit control through a balanced combination of advanced synthetic base oils and a precision-engineered mid-SAPS additive system. Its ultra-low viscosity profile ensures rapid oil circulation during cold starts, enabling faster hydrodynamic film formation and reduced metal-to-metal contact under boundary-lubrication conditions. The optimized friction-modifier package enhances fuel-economy performance while supporting extended drain intervals typical of modern long-life service regimes. Volatility-controlled base stocks contribute to significantly reduced oil consumption, minimizing the need for top-ups and helping maintain stable lubricant performance over time. The formulation incorporates LSPI-mitigation chemistry specifically tailored for high-boost, downsized gasoline engines, reducing the risk of abnormal combustion events under low-speed, high-load operation and ensuring reliable performance in the latest generation of high-efficiency powertrains.

PHYSICAL-CHEMICAL CHARACTERISTICS

EVO V-FE	METHOD	SAE 0W-20
Density at 15°C, g/cm ³	ASTM D4052	0.844
Dynamic viscosity, °C/cP	ASTM D5293	-35°C/5,000
Viscosity, Kinematic (cSt) 100°C	ASTM D445	8.1
Viscosity, Kinematic (cSt) 40°C	ASTM D445	41.3
Viscosity index	ASTM D2270	174
TBN, mgKOH/g	ASTM D2896	9.6
Flash point, COC, °C	ASTM D92	204
Pour point, °C	ASTM D97	-39
NOACK Volatility loss, %	ASTM D5800	10.1
Sulphated ash	ASTM D874	0.79
HTHS viscosity@150°C, cP	ASTM D4683	2.7

The abovementioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



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USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

