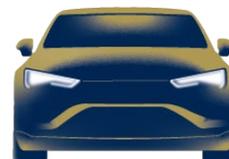


TECHNICAL PRODUCT SHEET

EVO V1 LL

0W—30, 5W—30



DESCRIPTION

EVO V1 LL series consists of fully synthetic, high-performance lubricants engineered to meet the stringent VW 504.00/507.00 specifications for modern Volkswagen Group engines. Enhanced with TriboAct[®] Formula technology, it delivers reinforced anti-wear protection tailored for new-generation engines operating with tighter clearances and low-viscosity oil requirements. Its LowSAPS additive system ensures full compatibility with diesel particulate filters, maintaining aftertreatment efficiency and long-term emissions compliance. The formulation provides exceptional cleanliness, oxidation stability, and film-strength retention, preventing oil-film collapse and minimizing friction in high-pressure contact zones. With strong resistance to sludge, varnish, and thermal degradation, SYN V1 supports extended drain intervals and reliable performance across demanding operating conditions. It is also backward-compatible with earlier VW specifications—including 502.00, 505.00, 505.01, 503.00, 503.01, 506.00, and 506.01—making it a versatile service-fill solution for a wide range of VW Group engines.

APPLICATIONS

EVO V1 LL lubricants series is engineered for high-performance Euro 6, 5, and 4 gasoline and light-duty diesel engines—naturally aspirated or turbocharged, equipped with advanced multi-valve, computer-controlled fuel-injection systems such as FSI and common-rail architectures. As the designated SAE 5W-30 service-fill lubricant for VW engines requiring long-life maintenance intervals with TWC and DPF after-treatment, it ensures optimal protection, cleanliness, and emissions-system compatibility. The formulation is equally suited for the latest Mercedes-Benz and BMW powertrains requiring MB 229.51 and BMW LL-04 performance levels, as well as ACEA C2 (5W-30) and VW TL 52545 (0W-30) quality standards. This makes SYN V1 a technically versatile solution for a broad range of modern European engine platforms demanding low-SAPS, high-efficiency lubrication.

SPECIFICATIONS

ACEA	C3	MB	229.52 (for 0W-30), Performance level 229.52 (for 5W-30)
Renault	RN0700/RN0710 (for 5W-30)	MB	229.51
VW	504.00/507.00 (Approved)	MB	229.31 (for 0W-30)
VW	TL 52545 (for 0W-30)	BMW	LongLife-04
VW	TL 521955 (for 5W-30)	Porsche	C30
VW	Performance level: 505.00/505.01	API	Performance level: SN
FIAT	Performance level: 9.55535.GS1 (for 0W-30)	ACEA	C2 (for 0W-30), Performance level: C2 (for 5W-30)
FIAT	Performance level: 9.55535.S3		

PROPERTIES

EVO V1 LL lubricants are fully synthetic, wide-viscosity-range engine oils designed for high thermal stability and consistent performance. Their TriboACT[®] additive system reinforces anti-wear protection by forming a resilient tribochemical layer on engine surfaces. The formulation's low friction coefficient reduces mechanical losses, supporting improved efficiency. Exceptional piston cleanliness and strong deposit-control capability help maintain engine reliability and minimize sludge throughout extended service intervals.



TECHNICAL PRODUCT SHEET

BENEFITS

EVO V1 LL lubricants are engineered to deliver reduced fuel and oil consumption through an optimized low-friction formulation that minimizes mechanical losses, particularly during cold starts where wear risk is highest. Their robust additive system provides exceptional start-up protection and maintains strong performance reserves, supporting reliable operation over extended service intervals. In SAE 5W-30 applications, the formulation enables fuel savings of up to 2%, contributing to improved overall engine efficiency.

PHYSICAL-CHEMICAL CHARACTERISTICS

EVO V1 LL	METHOD	SAE 0W-30	SAE 5W-30
Density at 15°C, g/cm ³	ASTM D4052	0.838	0.855
Dynamic viscosity, °C/cP	ASTM D5293	-35°C/5,850	-30°C/6,250
Viscosity, Kinematic (cSt) 100°C	ASTM D445	11.9	12.1
Viscosity, Kinematic (cSt) 40°C	ASTM D445	63.01	69.76
Viscosity index	ASTM D2270	188	173
TBN, mgKOH/g	ASTM D2896	8.3	8.7
Flash point, COC, °C	ASTM D92	206	234
Pour point, °C	ASTM D97	-48	-36
HTHS Viscosity @150oc, cP	ASTM D4683	3.71	3.71

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).



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.

