



MAGMA

SYN V1



DESCRIPTION

Magma Syn V1 is a top-tier, fully synthetic lubricant especially designed for use in engines of the VW Group (Volkswagen, Audi, Skoda, Seat) that require a 504.00/507.00 specification. Boosted with TriboAct® Formula technology, it is designed to provide extra antiwear protection in new engine units that operate with tighter tolerances, requiring a high level of protection and low viscosity oils. Due to its low sulphated ash, phosphorus and sulphur (LowSAPS) chemistry, it is fully compatible with diesel particulate filter (DPF) after-treatment systems. Magma Syn V1 demonstrates excessive cleanliness ability, superior film strength and lubricity characteristics that will prevent the oil film breakdown and reduce friction developing in high pressure areas. Magma Syn V1 is backwards compatible with older VW oil standards 502.00, 505.00, 505.01, 503.00, 503.01, 506.00 or 506.01.

APPLICATIONS

Magma Syn V1 is recommended for all high performance Euro 6, 5 & 4, four-stroke gasoline and light diesel engines, naturally-aspirated or turbo-charged ones with advanced computer-controlled, multi-valve, fuel injection systems (FSI & common rail). It is the unique choice (SAE 5W-30) for service fill use in WV engines equipped with the latest-generation TWC catalytic converters and DPF units following long-life service cycles. Both grades are equally intended for the latest Mercedes-Benz & BMW gasoline and diesel powertrains that command for quality level of MB 229.51 and BMW LL-04 specs, as well as of ACEA C2 (5W-30) or of VW TL 52545 (0W-30).

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
100% synthetic oil of wide viscosity range.	Lower fuel and oil consumption; exceptional protection against start-up wear.
TriboACT® Formula inside for enhanced protection against wear.	Outstanding performance reserves for extended service intervals.
Low friction coefficient for significantly reduced friction.	Fuel savings up to 2% (SAE 5W-30).
Outstanding piston cleanliness and deposit control	Excellent sludge control – preventing oil starvation and potential engine failure.

PHYSICAL-CHEMICAL CHARACTERISTICS

MAGMA SYN V1	METHOD	0W-30	5W-30
Density at 15°C, g/cm ³	ASTM D1298	0.838	0.855
Dynamic Viscosity, cP	ASTM D5293	-35°C/5,850	-30°C/6250
Viscosity, Kinematic (cSt) 100 ^o C	ASTM D445	11.90	12.16
Viscosity, Kinematic (cSt) 40 ^o C	ASTM D445	63.01	69.76
Viscosity index	ASTM D2270	188	173
Flash point, COC, °C	ASTM D92	205	234
Pour point, °C	ASTM D97	-48	-36
TBN, mgKOH/g	ASTM D 2896	7.0	7.0

The above mentioned characteristics represent mean values.

SPECIFICATIONS

0W-30

ACEA C3; VW 504.00/507.00, TL 52545; Porsche C30
Level: API SN; MB 229.51; BMW LongLife-04; FIAT 9.55535.GS1, 9.55535.DS1

5W-30

ACEA C3; MB 229.51, MB 229.31; VW 504.00/507.00; BMW LongLife-04; Porsche C30
Level: ACEA C2

APPROVALS

5W-30: API :SN, VW 504.00/507.00
0W-30: VW 504.00/507.00