



# MAGMA

## PRO V1



### DESCRIPTION

Top tier, synthetic midSAPS lubricant, specifically for use in engines of the VW Group (Volkswagen, Audi, Skoda, Seat) that require a 504.00/507.00 specification. 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. It is fully compatible with diesel particulate filter (DPF) after-treatment systems, 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 PRO 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 PRO 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 highly recommended for service fill use in VW engines equipped with the latest-generation TWC catalytic converters and GPF/DPF units following long-life service cycles. It is also recommended for the latest technologies engines equip Plug-in hybrids vehicles in European & Asia Pacific markets.

### CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Premium low viscosity PCMO.	Lower fuel and oil consumption; exceptional protection against start-up wear.
Low friction coefficient for significantly reduced friction.	Delivers fuel economy benefits enabling lower cost of Ownership
Outstanding piston cleanliness and deposit control.	Excellent sludge control – preventing oil starvation and potential engine failure.
Mid SAPS technology, specific against LPSI.	Compatible with GPF/DPF after treatment Prevention against pre-ignition phenomenon and catastrophic failure of engines

### PHYSICAL-CHEMICAL CHARACTERISTICS

MAGMA PRO V1	METHOD	SAE 0W-30	SAE 5W-30
Density at 15°C, g/cm <sup>3</sup>	ASTM D1298	0.839	0.849
Dynamic viscosity, °C/cP	ASTM D5293	-35°C/6,100	-30°C/5,850
Viscosity, Kinematic (cSt) 100 <sup>0</sup> C	ASTM D445	12.1	11.97
Viscosity, Kinematic (cSt) 40 <sup>0</sup> C	ASTM D445	67.5	71.15
Viscosity index	ASTM D2270	177	165
Flash point, COC, °C	ASTM D92	228	232
Pour point, °C	ASTM D97	-42	-39
TBN, mgKOH/g	ASTM D2896	8.0	8.2

The above-mentioned characteristics represent mean values.

### PERFORMANCE LEVEL

ACEA C3; API SP, API SN (5W-30)

Performance Level: ACEA C2; VW 504.00, VW 507.00; MB 229.51; BMW LongLife-04

Backwards compatible: VW 502.00, VW 505.00, VW 505.01, VW 503.00, VW 503.01, VW 506.00, VW 506.01