



RAVENOL VMP SAE 5W-30

RAVENOL VMP SAE 5W-30 is a PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with especially USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Minimises friction, wear and fuel consumption with excellent cold start characteristics. Suitable for extended oil change intervals where recommended by manufacturer.

RAVENOL VMP SAE 5W-30 is based on additives with reduced ash content for use in modern passenger car with diesel and gasoline engines with excellent cold start characteristics, low oil consumption and reduced pollutant emissions. This oil will increase the DPF and TWC life. Developed for fuel economy and energy conserving in EURO IV and EURO V Standard engines with normal and extended oil change intervals (until 50.000 km or 2 years possible).

RAVENOL VMP SAE 5W-30 achieved by its formulation with special base oils a high viscosity index. The excellent cold start behaviour ensures a optimal lubrication safety in the cold running phase.

Due to a significant fuel economy RAVENOL VMP SAE 5W-30 contributes by reduction of emissions to conservation the environment. Minimal wear extends the lifespan of the engine.

Application Notes

RAVENOL VMP SAE 5W-30 is a universal fuel economy, especially collected engine oil for modern gasoline and diesel engines with and without turbo charger in passenger cars and vans with extended oil change intervals. Extend the lifespan of the particle filter. Due to the specific composition is RAVENOL VMP SAE 5W-30 excellent suitable for use for several of the latest OEM requirements.

Quality Classifications

Specifications

ACEA C3, API SN

Approvals

BMW Longlife-04, VW 504 00 / 507 00 (for Europe and Northamerica), MB-Approval 229.51, Porsche C30 (currently valid for PORSCHE Diesel cars, Cayenne V6 and all PORSCHE Hybrid cars)

Practice and tested in aggregates with filling

MB 229.31, Fiat 9.55535-S1, Audi/Volkswagen G 052 195 M2, G 052 195 M4, G 052 195 M6, BMW 83 21 0 398 507, BMW/Mini 83 21 0 398 508, Mercedes Benz 000 989 89 01 10, Chrysler MS-11116, Audi Motorsport V31 748 026

Characteristic

RAVENOL VMP SAE 5W-30 offers:

- Fuel economy in part and full power operation
- Mid SAPS = reduced Sulphated ash, Phosphor and Sulfur
- Excellent wear protection and high viscosity index also under high-speed driving conditions, the long life of the engine
- Excellent cold starting characteristics also at low temperatures
- A safe lubricant film at high operating temperatures
- Low evaporative tendency, so lower oil consumption
- No deposits in combustion chambers, in the piston ring zone and valves because of oil conditioned
- Neutrality towards sealing materials
- Extended oil change intervals to protect natural resources

Characteristics	Unit	Data	Audit
Density at 20°C	kg/m ³	852	EN ISO 12185
Colour		mid brown	visual
Viscosity at 100°C	mm ² /s	11,5	DIN 51 562
Viscosity at 40°C	mm ² /s	68,2	DIN 51 562
Viscosity index VI		164	DIN ISO 2909
HTHS at 150°C	mP?*s	3,6	ASTM D5481
CCS Viscosity at -30°C	mPa*s	4230	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35°C	mPa*s	13.200	ASTM D4684
Pourpoint	°C	-60	DIN ISO 3016
Noack Volatility	%	7,2	ASTM D5800/b
Flash point (COC)	°C	238	DIN ISO 2592
TBN	mg KOH/g	6,6	ASTM D2896
Sulphated ash	%wt.	0,7	DIN 51 575

All indicated data are approximate values and are subject to the commercial fluctuations.

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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