



RAVENOL VSI SAE 5W-40

RAVENOL VSI SAE 5W-40 is a future oriented fully synthetic engine oil which allows a fuel efficient operation of engines. In order to guarantee the low viscosity of the SAE-class 5W as well as only a small loss due to evaporation at the same time a reliable and highly loaded engine oil of the EC-class (Energy Conserving) has been developed with RAVENOL SAE VSI 5W-40 on the basis of the most modern synthesis technology.

RAVENOL VSI SAE 5W-40 meets all high-tech demands of the most recent powerful generation of engines.

Application Notes

RAVENOL VSI SAE 5W-40 is suitable for the energy saving operation all the year of all modern cars with petrol and diesel engines and was specially developed for turbo chargers as well as the catalytic operation.

RAVENOL VSI SAE 5W-40 guarantees operational safety concerning all driving conditions as for example regarding extreme stop and go traffic as well as high speed drives on motorways.

Quality Classifications

Specifications

API SM/SL/CF, ACEA A3/B4

Approvals

MB-Approval 229.3, BMW Longlife-98, Porsche A40 (currently valid for all PORSCHE cars as of model year 1994 except Cayenne V6 and all PORSCHE Hybrid cars for longdrain and except all PORSCHE Diesel cars), License: API SM, API SL

Practice and tested in aggregates with filling

VW 502 00/505 00, Opel GM-LL-B-025, Fiat 9.55535-H2, Chrysler MS-10850, MS-10896

Characteristic

RAVENOL VSI SAE 5W-40 offers:

- High abrasion resistance
- Fuel saving because of easy running characteristics
- Excellent detergent and dispersant characteristics
- Prevention of black sludge creation
- Long endurance because of high oxidation stability
- Excellent cold start performance
- Very good viscosity temperature behaviour
- Low evaporation
- Suitable for catalysts

Characteristics	Unit	Data	Audit
Colour		brown	visual
Density at 20°C	kg/m ³	850	EN ISO 12185
Viscosity at 40°C	mm ² /s	87,73	DIN 51 562
Viscosity at 100°C	mm ² /s	14,37	DIN 51 562
Viscosity index VI		170	DIN ISO 2909
Viscosity at -30°C	mPa.s	4500	ASTM D5293
Flash point (COC)	°C	240	DIN ISO 2592
Pourpoint	°C	-50	DIN ISO 3016
TBN	mg KOH/g	9,5	DIN ISO 3771
Sulphated ash	%wt.	1,3	DIN 51 575
Noack Volatility	%	9	ASTM D5800/b

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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