



RAVENOL VSI SAE 5W-40



VISCOSITY 5W-40

SPECIFICATIONS API SN | API CF | ACEA A3 | ACEA B4

FABRICATION FULLY SYNTHETIC

APPROVALS MB-APPROVAL 229.3 | VW 502 00 | VW 505 00 | PORSCHE A40 | RENAULT RN0700 | RENAULT RN0710 | LICENSE: API SN

RECOMMENDATIONS MB 226.5 | BMW LONGLIFE-01 | OPEL GM-LL-B-025 | FIAT 9.55535-H2 | CHRYSLER MS-10850 | CHRYSLER PSA B71 2296 | CHRYSLER MS-10896

ART.-NR. 1111130

1 L	1111130-001
4 L	1111130-004
5 L	1111130-005
10 L	1111130-010
20 L	1111130-020
20 L	1111130-B20
60 L	1111130-060
60 L	1111130-D60
208 L	1111130-208
208 L	1111130-D28
1000 L	1111130-700

RAVENOL VSI SAE 5W-40 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.

RAVENOL VSI SAE 5W-40 minimizes friction, wear and fuel consumption with excellent cold start characteristics.

With its new formulation, **RAVENOL VSI SAE 5W-40** provides a safe layer of lubrication even at very high operating temperatures and protects from corrosion and loss of oil through oxidation or coking. The excellent cold start behavior ensures optimum lubrication safety during the cold running phase.

By significantly reducing fuel consumption, **RAVENOL VSI SAE 5W-40** helps to protect the environment by reducing emissions.

RAVENOL VSI SAE 5W-40 guarantees operational safety in all driving conditions, such as extreme stop-and-go traffic as well as high-speed highway driving.

Extended oil change intervals according to the manufacturer's instructions.

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.



Characteristics

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

Property	Unit	Data	Audit
Density at 20°C	kg/m ³	852,0	EN ISO 12185
Colour		gelbbraun	visual
Viscosity at 100°C	mm ² /s	14,1	DIN 51 562
Viscosity at 40°C	mm ² /s	85,3	DIN 51 562
Viscosity index VI		172	DIN ISO 2909
HTHS at 150°C	mP? [*] s	3,75	ASTM D5481
CCS Viscosity at -35°C	mPa*s	4220	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -40°C	mPa*s	14.700	ASTM D4684
Pourpoint	°C	-51	DIN ISO 3016
Noack Volatility	% M/M	8,0	ASTM D5800/b
Flash point	°C	238	DIN ISO 2592
TBN	mg KOH/g	10,0	ASTM D2896
Sulphated ash	%wt.	1,39	DIN 51 575

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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