



RAVENOL HPS SAE 5W-30



VISCOSITY 5W-30

SPECIFICATIONS API SL | API CF | ACEA A3/B4

FABRICATION SEMI-SYNTHETIC

RECOMMENDATIONS MB 229.3 | BMW LONGLIFE-98 | VW 502 00 | VW 505 00

HyperSynth

ART.-NR. 1111117

1 L	1111117-001
4 L	1111117-004
5 L	1111117-005
10 L	1111117-010
20 L	1111117-020
20 L	1111117-B20
60 L	1111117-060
60 L	1111117-D60
208 L	1111117-208
208 L	1111117-D28
1000 L	1111117-700

RAVENOL HPS SAE 5W-30 is modern high performance low friction semi-synthetic multigrade motor oil, which is suitable for performance motors because of its synthetic components and innovative additives. The excellent cold start characteristics provide optimal lubricant safety in the cold-running phase. Because of the noticeable fuel economy contributes **RAVENOL HPS SAE 5W-30** the reduction of pollutant emissions and protects the environment.

Application Notes

RAVENOL HPS SAE 5W-30 is low friction motor oil, which is suitable for performance motors. It is recommended for all modern passenger car gasoline and diesel engines, including turbo versions and for direct injection motors and also recommended for all operation conditions.

Characteristics

RAVENOL HPS SAE 5W-30 offers:

- Fuel economy in part and full power operation
- Very stable and excellent viscosity behaviour
- Excellent shear stability
- Excellent cold starting characteristics
- A safe lubricant film at high operating temperatures
- Excellent detergent- and dispersant characteristics
- High wear and corrosion protection, high oxidation stability
- Prevention of sludge formation
- Extended lifetime because of oxidation stability



- Suitable for catalysts

Property	Unit	Data	Audit
Density at 20°C	kg/m ³	850,0	EN ISO 12185
Colour		gelbbraun	visual
Viscosity at 100°C	mm ² /s	12,15	DIN 51 562
Viscosity at 40°C	mm ² /s	70,9	DIN 51 562
Viscosity index VI		170	DIN ISO 2909
HTHS at 150°C	mP? [*] s	3,54	ASTM D5481
CCS Viscosity at -30°C	mPa*s	6140	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35°C	mPa*s	16.200	ASTM D4684
Pourpoint	°C	-39	DIN ISO 3016
Noack Volatility	% M/M	8,9	ASTM D5800/b
Flash point (COC)	°C	242	DIN ISO 2592
TBN	mg KOH/g	11,0	ASTM D2896
Sulphated ash	%wt.	1,18	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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