



## RAVENOL HCL SAE 5W-30



**VISCOSITY** 5W-30

**SPECIFICATIONS** API SL | API CF | ACEA A3/B4

**FABRICATION** SYNTHETIC

**APPROVALS** MB-APPROVAL 229.5 | BMW LONGLIFE-01 | VW 502 00 | VW 505 00

**RECOMMENDATIONS** VW 501 01

### ART.-NR. 1111118

1 L		1111118-001
4 L		1111118-004
5 L		1111118-005
10 L		1111118-010
20 L		1111118-020
20 L		1111118-B20
60 L		1111118-060
60 L		1111118-D60
208 L		1111118-208
208 L		1111118-D28
1000 L		1111118-700

**RAVENOL HCL SAE 5W-30** is a synthetic low friction motor oil with 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.

## Application Notes

**RAVENOL HCL SAE 5W-30** is an universal fuel-efficient engine oil, a top-quality product for petrol and passenger car diesel engines with or without turbochargers in passenger cars and vans.

## Characteristics

**RAVENOL HCL SAE 5W-30** offers:

- Fuel economy in part and full power operation
- very stable and excellent viscosity behaviour
- Excellent shear stability
- Excellent cold start characteristics
- A safe lubricant film at high operating temperatures
- Excellent detergency and dispersing properties
- High wear and corrosion protection, high oxidation stability
- Protection against foaming
- Excellent detergent- and dispersant characteristics
- Longlife characteristics through high oxidation stability



- Catalyst suitability

Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	847	EN ISO 12185
Colour		brown	visual
Viscosity at 100°C	mm <sup>2</sup> /s	12,2	DIN 51 562
Viscosity at 40°C	mm <sup>2</sup> /s	72,3	DIN 51 562
Viscosity index VI		168	DIN ISO 2909
HTHS at 150°C	mPa*s	3,57	ASTM D5481
CCS Viscosity at -30°C	mPa*s	5591	ASTM D5293
Low Temp. Pumping viscosity (MRV) -35°C	mPa*s	19.100	ASTM D4684
Pourpoint	°C	-39	DIN ISO 3016
Noack Volatility	% M/M	9,3	ASTM D5800/b
Flash point	°C	238	DIN ISO 2592
TBN	mg KOH/g	10,2	ASTM D 3829
Sulphated ash	%wt.	1,04	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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