



## RAVENOL HCS SAE 5W-40



**VISCOSITY** 5W-40

**FABRICATION** SYNTHETIC

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

**RECOMMENDATIONS** BMW LONGLIFE-01 | OPEL GM-LL-B-025 | PORSCHE A40 | CHRYSLER MS-10850 | PSA B71 2296 | FIAT 9.55535-H2 | CHRYSLER MS-10896 | MB 226.5

### ART.-NR. 1112105

1 L | 1112105-001  
4 L | 1112105-004  
5 L | 1112105-005  
10 L | 1112105-010  
20 L | 1112105-020  
20 L | 1112105-B20  
60 L | 1112105-060  
60 L | 1112105-D60  
208 L | 1112105-208  
208 L | 1112105-D28  
1000 L | 1112105-700

**RAVENOL HCS SAE 5W-40** is synthetic high performance motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and

without turbo-charging and direct injection. Formulated to minimise friction, wear and fuel

consumption with excellent cold start characteristics. Suitable for extended

oil change intervals where recommended by manufacturer.

## Application Notes

**RAVENOL HCS SAE 5W-40** is suitable for an energy saving all year use 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 HCS SAE 5W-40** offers:

- High protection against wear
- Fuel economy by low friction property
- Excellent detergent- and dispersant property
- Prevention of black sludge formation
- Improved cleaner engine
- Extended lifetime because of oxidation stability
- Excellent cold starting characteristics
- Excellent viscosity-temperature- characteristics
- Low evaporation tendency



- Catalyst cleaning

Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	849,0	EN ISO 12185
Colour		braun	visual
Viscosity at 100°C	mm <sup>2</sup> /s	14,4	DIN 51 562
Viscosity at 40°C	mm <sup>2</sup> /s	87,5	DIN 51 562
Viscosity index VI		171	DIN ISO 2909
HTHS at 150°C	mP? <sup>*</sup> s	4,1	ASTM D5481
CCS Viscosity at -30°C	mPa*s	5370	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -40°C	mPa*s	28.500	ASTM D4684
Pourpoint	°C	-42	DIN ISO 3016
Noack Volatility	% M/M	8,4	ASTM D5800/b
Flash point	°C	232	DIN ISO 2592
TBN	mg KOH/g	10,4	ASTM D2896
Sulphated ash	%wt.	1,26	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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