



# RAVENOL HLS SAE 5W-30



1L | 1111119-001  
4L | 1111119-004  
5L | 1111119-005  
10L | 1111119-010  
20L | 1111119-020  
20L | 1111119-B20  
60L | 1111119-060  
60L | 1111119-D60  
208L | 1111119-208  
208L | 1111119-D28  
1000L | 1111119-700

**Kategorie:** Passenger car motor oil

**Artikelnummer:** 1111119

**Viscosity:** 5W-30

**Specification:** ACEA C3, API CF, API SN

**Oil type:** Synthetic

**Approvals:** API SN, BMW Longlife-04, GM dexos2™ (Lizenz-Nr. D235AGDL081), MB-Freigabe 229.31, MB-Freigabe 229.51, MB-Freigabe 229.52, Opel OV 040 1547 - D30, VW 505 00, VW 505 01

**Recommendation:** Chrysler MS-11106, Fiat 9.55535-S3, VW 502 00

**Application:** Passenger car

**Technology:** Clean Synto®

**RAVENOL HLS SAE 5W-30** is a synthetic Mid SAPS low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection.

**RAVENOL HLS SAE 5W-30** achieves a high viscosity index through its formulation with special base oils. The excellent cold start behaviour provides an optimum lubricating safety during the cold run phase.

Because of a considerable fuel saving **RAVENOL HLS SAE 5W-30** contributes to protect the environment by reducing the emissions.

**RAVENOL HLS SAE 5W-30** minimizes friction, wear and fuel consumption with excellent cold start characteristics.

**RAVENOL HLS SAE 5W-30** is Mid SAPS Oils which prevents effectively the reset of the diesel soot particulate filter.

Suitable for extended oil change intervals where recommended by manufacturer.

## Application Note

**RAVENOL HLS SAE 5W-30** is suitable for demanding motors as a high performance low friction motor oil. It is recommended for all modern passenger car gasoline and diesel engines, including turbo versions, for direct injection motors and it is also recommended for all operation conditions. **RAVENOL HLS SAE 5W-30** is recommended for use in vehicles with diesel particulate filters.

## Characteristics

- Fuel economy in part and full power operation.
- Excellent wear protection and high viscosity index also under high-speed driving conditions, the long life of the engine.
- Excellent cold starting characteristics also at low temperatures below -30°C.
- A safe lubricant film at high operating temperatures.
- Low evaporative tendency, so lower oil consumption.

- No deposits in combustion chambers, in the piston ring zone and valves.
- Neutrality towards sealing materials.
- Extended oil change intervals to protect natural resources.

## Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m <sup>3</sup>	847,0	EN ISO 12185
Colour		gelbbraun	VISUELL
Viscosity at 100 °C	mm <sup>2</sup> /s	12,2	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	72,7	DIN 51562-1
Viscosity Index VI		166	DIN ISO 2909
HTHS Viscosity at 150 °C	mPa*s	3,51	ASTM D5481
CCS Viscosity at -30 °C	mPa*s	5216	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35 °C	mPa*s	23000	ASTM D4684
Pourpoint	°C	-39	DIN ISO 3016
Noack Volatility	% M/M	6,9	ASTM D5800
Flashpoint	°C	234	DIN EN ISO 2592
tbn	mg KOH/g	7,8	ASTM D2896
Sulphated Ash	%wt.	0,8	DIN 51575

All indicated data are approximate values and are subject to the commercial fluctuations.