



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

RAVENOL HLS SAE 5W-30

Category Passenger car motor oil

Item number 1111119

Viscosity 5W-30

Specification ACEA C3, API CF, API SN

Oil type Synthetic

Approvals API SN, BMW Longlife-04, GM dexos2™ (Lizenz Nr. GB2C0711081), MB-Freigabe 229.51, MB-Freigabe 229.52, Opel OV0401547 (nur Diesel), VW 505 00 / 505 01

Recommendation Chrysler MS-11106, Fiat 9.55535-S3, MB 229.31, 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

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

15.11.2021