



# 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

**Specifications:** ACEA C3, API CF, API SQ (RC), ILSAC GF-7A

**Oil type:** Synthetic

**Approvals:** BMW Longlife-04, GM dexos2™ (Lizenz-Nr. D235AGDL081), MB -Freigabe 229.51, MB -Freigabe 229.52, Opel OV 040 1547 - D30, API SQ Resource Conserving, ILSAC GF-7A

**Recommendations:** Chrysler MS-11106, Fiat 9.55535-S3, Ford WSS-M2C917-A, MB 226.52, MB 229.31, Opel OV 040 1547 - G30, PSA B71 2290, PSA B71 2297, Renault RN17, Stellantis FPW9.55535/03, Stellantis FPW9.55535/05, VW 502 00, VW 505 01, VW 505 00

**Application:** Passenger car

**Technology:** CleanSynto

**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 instructions

**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

CHARACTERISTICS	PROPERTY	DATA	AUDIT
Colour		gelbbraun	VISUELL
Sulphated Ash	%wt.	0,69	DIN 51575
tbn	mg KOH/g	7,8	ASTM D2896
Viscosity at 100 °C	mm <sup>2</sup> /s	12,2	DIN 51659-2
Viscosity at 40 °C	mm <sup>2</sup> /s	72,7	DIN 51659-2
Viscosity Index VI		166	DIN ISO 2909
CCS Viscosity at -30 °C	mPa*s	6187	ASTM D5293
Density at 20 °C	kg/m <sup>3</sup>	847,0	EN ISO 12185
Flashpoint	°C	234	DIN EN ISO 2592
HTHS Viscosity at 150 °C	mPa*s	3,68	ASTM D5481
Low Temp. Pumping viscosity (MRV) at -35 °C	mPa*s	20400	ASTM D4684
Noack Volatility	% M/M	8,9	ASTM D5800
Pourpoint	°C	-39	DIN ISO 3016