



1L | 1112118-001

4L | 1112118-004

5L | 1112118-005

10L | 1112118-010

20L | 1112118-020

20L | 1112118-B20

60L | 1112118-060

60L | 1112118-D60

208L | 1112118-208

208L | 1112118-D28

1000L | 1112118-700

RAVENOL HSW SAE 0W-30

Kategorie: Passenger car motor oil

Artikelnummer: 1112118

Viscosity: 0W-30

Specification: ACEA C3, API SN

Oil type: Synthetic

Approvals: BMW Longlife-04, MB-Freigabe 229.51, MB-Freigabe 229.52, Porsche C30, VW 504 00, VW 507 00

Technology: Clean Synto®

RAVENOL HSW SAE 0W-30 is a synthetic based low friction motor oil with a PAO proportion > 30% and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection.

RAVENOL HSW SAE 0W-30 lengthens the service life of the diesel particulate filter by reducing the concentration of ash-forming particles in the exhaust gas. It reduces the emissions of gases which are harmful to the environment. It delivers a higher degree of security by providing lasting protection for engines.

With its formulation, **RAVENOL HSW SAE 0W-30** provides a safe layer of lubrication even at very high operating temperatures and protects from corrosion and loss of oil through oxidation or coking. The excellent cold start behavior ensures optimum lubrication safety during the cold running phase.

By reducing fuel consumption, **RAVENOL HSW SAE 0W-30** helps to protect the environment by reducing emissions. It minimizes friction, wear and fuel consumption.

RAVENOL HSW SAE 0W-30 guarantees operational safety in all driving conditions, such as extreme stop-and-go traffic as well as high-speed highway driving.

Extended oil change intervals according to the manufacturer's instructions.

Application Note

RAVENOL HSW SAE 0W-30 can be used in all vehicles with and without LongLife Service and is therefore suitable for extended oil change intervals and vehicles with and without DPF filters. The operating instructions of the vehicle and engine manufacturers must be observed.

Characteristics

- Particularly low-friction characteristics and an outstanding range of benefits thanks to special additives.
- Outstanding engine protection even after a cold start and in tougher conditions.
- Guarantees rapid engine lubrication even at low temperatures of under -30°C and a sufficiently thick film of lubrication even at oil temperatures of

>150°C during high-speed journeys.

- Good protection against wear and tear and the high level of engine cleanliness while also consuming less fuel (fuel economy characteristic).
- The hydraulic tappets are guaranteed to function at all temperatures due to adequate oil pressure.
- Does not have an impact on sealants.
- Safeguards the engine against sludge formation, coking, lacquering and corrosion even in unfavourable operating conditions.

Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m ³	836,0	EN ISO 12185
Colour		gelbbraun	VISUELL
Viscosity at 100 °C	mm ² /s	12,2	DIN 51562-1
Viscosity at 40 °C	mm ² /s	62,4	DIN 51562-1
Viscosity Index VI		197	DIN ISO 2909
HTHS Viscosity at 150 °C	mPa*s	3,7	ASTM D5481
CCS Viscosity at -35 °C	mPa*s	5890	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -40 °C	mPa*s	19.200	ASTM D4684
Pourpoint	°C	-54	DIN ISO 3016
Noack Volatility	% M/M	10,0	ASTM D5800
Flashpoint	°C	228	DIN EN ISO 2592
tbn	mg KOH/g	8,3	ASTM D2896
Sulphated Ash	%wt.	0,7	DIN 51575

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