



## RAVENOL VSW SAE 0W-30



ART.-NR. 1111106

1 L | 1111106-001  
4 L | 1111106-004  
5 L | 1111106-005  
8 L | 1111106-008  
10 L | 1111106-010  
20 L | 1111106-020  
20 L | 1111106-B20  
1000 L | 1111106-700

**VISCOSITY** 0W-30  
**SPECIFICATIONS** ACEA C3  
**FABRICATION** FULLY SYNTHETIC  
**APPROVALS** VW 504 00 | VW 507 00  
**RECOMMENDATIONS** CHRYSLER MS-11106

**RAVENOL VSW SAE 0W-30** is a PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with especially USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection.

**RAVENOL VSW SAE 0W-30** minimizes friction, wear and fuel consumption with excellent cold start characteristics.

With its new formulation, **RAVENOL VSW 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.

**RAVENOL VSW 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.

By significantly reducing fuel consumption, **RAVENOL VSW SAE 0W-30** helps to protect the environment by reducing emissions.

**RAVENOL VSW 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 Notes

**RAVENOL VSW SAE 0W-30** can be used in all VW vehicles (with the exception of R5 and V10 TDI pump-nozzle injector engines with and without DPF (e.g. in the Phaeton and the Touareg) and with and without LongLife Service.



## Characteristics

RAVENOL VSW SAE 0W-30 offers:

- 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.
- Guarantees the best possible protection against wear and tear and the highest 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.

Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	846,0	EN ISO 12185
Colour		brown	visual
Viscosity at 100°C	mm <sup>2</sup> /s	12,0	DIN 51562
Viscosity at 40°C	mm <sup>2</sup> /s	60,8	DIN 51562
Viscosity index VI		197	ISO 2909
HTHS at 150°C	mP?*s	3,6	ASTM D5481
Viscosity at -30°C	mPa.s	5565	ASTM D5293
Viscosity (MRV) at -40°C	mPa*s	14.800	ASTM D 4684
Pourpoint	°C	-60	DIN ISO 3016
Noack Volatility	% M/M	9,0	ASTM D5800/b
Flash Point PM	°C	234	DIN ISO 2592
TBN	mg KOH/g	7,6	ASTM D2896
Sulphated ash	%wt.	0,63	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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