- Certificate / Product Information -

RAVENOL ALS SAE 0W-30

RAVENOL Arctic Low SAPS ALS 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 of high performance vehicles and vans with Diesel Particular Filter DPF and Three-Way Catalyst, which require HTHS >3,5 mPa*s.

RAVENOL Arctic Low SAPS ALS SAE 0W-30 is based on additives which prolong the lifetime of Diesel Particular Filter DPF and Three-Way Catalyst.

RAVENOL Arctic Low SAPS ALS SAE 0W-30 minimizes friction, wear and fuel consumption with excellent cold start characteristics.

With its new formulation, **RAVENOL Arctic Low SAPS ALS 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 significantly reducing fuel consumption, **RAVENOL Arctic Low SAPS ALS SAE 0W-30** helps to protect the environment by reducing emissions.

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

Application Notes

RAVENOL Arctic Low SAPS ALS SAE 0W-30 is a universal fuel economy, especially formulated engine oil for modern gasoline and diesel engines in passenger cars and vans with extended oil change intervals. Extend the lifespan of the particle filter.

Due to the specific composition is **RAVENOL Arctic Low SAPS ALS SAE 0W-30** excellent suitable for use for indicated OEM requirements.

Specifications

ACEA C3

Approvals

MB-Approval 229.51, BMW Longlife-04

Practice and tested in aggregates with filling

Honda, Nissan, MAZDA, Suzuki, Toyota, Chrysler MS-11116, MS-11106

Characteristic

RAVENOL Arctic Low SAPS ALS SAE 0W-30 offers:

- 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 because of oil conditioned
- Neutrality towards sealing materials
- Extended oil change intervals to protect natural resources

Characteristics	Unit	Data	Audit
Density at 20°C	kg/m³	841,0	EN ISO 12185
Colour		brown	visual
Viscosity at 100°C	mm²/s	11,2	DIN 51 562
Viscosity at 40°C	mm²/s	59,9	DIN 51 562
Viscosity index VI		183	DIN ISO 2909
HTHS at 150°C	mP?*s	3,53	ASTM D5481
CCS Viscosity at -35°C	mPa*s	5472	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -40°C	mPa*s	18.675	ASTM D4684
Pourpoint	°C	-45	DIN ISO 3016
Noack Volatility	% M/M	9,0	ASTM D5800/b
Flash point	°C	215	DIN ISO 2592
TBN	mg KOH/g	7,9	ASTM D2896
Sulphated ash	%wt.	0,78	DIN 51 575

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

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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