



RAVENOL ALS SAE 0W-30



ART.-NR. 1111137

| | |
|--------|-------------|
| 1 L | 1111137-001 |
| 4 L | 1111137-004 |
| 5 L | 1111137-005 |
| 8 L | 1111137-008 |
| 10 L | 1111137-010 |
| 20 L | 1111137-020 |
| 20 L | 1111137-B20 |
| 60 L | 1111137-060 |
| 60 L | 1111137-D60 |
| 208 L | 1111137-208 |
| 208 L | 1111137-D28 |
| 1000 L | 1111137-700 |

VISCOSITY 0W-30

SPECIFICATIONS ACEA C3

FABRICATION FULLY SYNTHETIC

APPROVALS MB-APPROVAL 229.51

RECOMMENDATIONS HONDA | NISSAN | MAZDA | SUZUKI | TOYOTA | CHRYSLER MS-11106 | BMW LONGLIFE-04

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.



Characteristics

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

| Property | Unit | Data | Audit |
|--|--------------------|--------|--------------|
| Density at 20°C | kg/m ³ | 841,0 | EN ISO 12185 |
| Colour | | braun | visual |
| Viscosity at 100°C | mm ² /s | 11,2 | DIN 51 562 |
| Viscosity at 40°C | mm ² /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 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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