

LUKOIL AVANTGARDE PROFESSIONAL LS SAE 0W-30

Multi-grade low SAPS fully synthetic diesel engine oil

APPROVALS

MB-Approval 228.51

PRODUCT DESCRIPTION

LUKOIL AVANTGARDE PROFESSIONAL LS SAE 0W-30 is a fully synthetic oil for heavy-duty Mercedes-Benz diesel engines and other modern diesel engines equipped with Diesel Particulate Filter (DPF).

LUKOIL AVANTGARDE PROFESSIONAL LS SAE 0W-30 is a lubricant with a low proportion of sulphated ash, phosphorus and sulphur (low SAPS). It is formulated using synthetic poly-alphaolefin (PAO) base oils and high-performance additive package.

APPLICATION

LUKOIL AVANTGARDE PROFESSIONAL LS SAE 0W-30 is intended for use in modern turbocharged diesel engines of commercial vehicles equipped with Diesel Particulate Filter (DPF), Exhaust Gas Recirculation (EGR) and Selective Catalytic Reduce (SCR) systems and also provides extended drain intervals. Recommended drain intervals are given in OEM maintenance manuals. Due to SAE 0W-30 viscosity grade the product is highly recommended for usage under

severe conditions of The Extreme North to facilitate cold start-up without preheating.

LUKOIL AVANTGARDE PROFESSIONAL LS SAE 0W-30 is highly recommended for use in commercial vehicles with DPF fueled by ultra-low-sulfur diesel (ULSD).

FEATURES AND BENEFITS

- The unique product which has SAE 0W-30 viscosity grade and MB-Approval 228.51
- Easy cold start-up at extreme temperatures
- High oxidative and thermal stability provides reliable oil performance during the whole drain interval
- High wear protection and excellent detergent-dispersant properties minimize deposits keeping engine cleanliness
- Extends life of catalytic exhaust aftertreatment
- Due to stable temperature-viscosity behavior the oil is suitable for a wide temperature range

The product name in an order:

Motor oil LUKOIL AVANTGARDE PROFESSIONAL LS SAE 0W-30, STO 79345251-072-2015

TYPICAL TEST DATA

PROPERTY	Test methods	LUKOIL AVANTGARDE PROFESSIONAL LS SAE 0W-30
Density at 20 °C, kg/m ³	ASTM D4052 / GOST 3900	843,7
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445 / GOST 33 / GOST R 53708	11,2
Kinematic viscosity at 40 °C, mm ² /s	ASTM D445 / GOST 33 / GOST R 53708	62,4
Viscosity index	ASTM D2270 / GOST 25371	174
Cold Cranking Viscosity at -35 °C, CCS, mPa·s	ASTM D5293 / GOST R 52559	6 102
Borderline Pumping Viscosity at -40°C, MRV, mPa·s	ASTM D4684 / GOST R 52257	16 000
Total Base Number, mg KOH/1g oil	ASTM D2896 / GOST 30050	9,7
Total Base Number, mg KOH/1g oil	GOST 11362	7,7
Sulphated ash, %	ASTM D874 / GOST 12417	0,98
Noack evaporation loss, %	ASTM D5800	11,3
Flash Point, COC, °C	ASTM D92 / GOST 4333	230
Pour Point, °C	GOST 20287 B	-54

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO "LLK-International".