

LUKOIL AVANTGARDE PROFESSIONAL LS5

SAE 5W-30, 10W-40

Synthetic multi-grade low-SAPS motor oil for modern diesel engines

APPROVALS

API CI-4 – licensed (API №2523) (SAE 5W-30)
MB-Approval 228.51
Volvo VDS-3
Mack EO-N
Renault VI RLD-2
MTU Category 3.1
MAN M 3477, M 3271-1
Deutz DQC III-10 LA (SAE 10W-40)

MEETS REQUIREMENTS

API CI-4 (SAE 10W-40)
ACEA E6/E7
MB 228.31 (SAE 10W-40)
Deutz DQC III-10 LA (SAE 5W-30))
Cummins 20076/20077 (SAE 10W-40)
Cummins 20076/20077/20078 (SAE 5W-30)
Renault RXD, RGD
JASO DH-2
DAF (SAE 10W-40)

PRODUCT DESCRIPTION

LUKOIL AVANTGARDE PROFESSIONAL LS5 is a series of synthetic multi-grade engine oils of ACEA E6/E7 and API CI-4 performance level for modern diesel engines. The oils are designed according to the latest engine manufacturers (MAN, Mercedes-Benz, Volvo, MTU, Cummins, Mack, DAF etc.).

LUKOIL AVANTGARDE PROFESSIONAL LS5 is low-SAPS oils (low content of sulphated ash, phosphorus and sulfur) and is based on synthetic base oils and modern additive package of foreign manufacture.

APPLICATION

LUKOIL AVANTGARDE PROFESSIONAL LS5 is intended for use in modern diesel engines equipped with exhaust aftertreatment

The product name in an order:

Motor oil LUKOIL AVANTGARDE PROFESSIONAL LS5 SAE 5W-30, STO 79345251-072-2015

Motor oil LUKOIL AVANTGARDE PROFESSIONAL LS5 SAE 10W-40, STO 79345251-072-2015

devices: diesel particulate filter (DPF), exhaust gas recirculation (EGR) and selective catalytic reduction (SCR) systems. The oils are recommended for Euro-4/Euro 5 engines running on ultra-low sulfur diesel (ULSD) and with extended oil drain intervals. Recommended drain intervals are given in OEM maintenance manuals.

FEATURES AND BENEFITS

- Extends the life of catalytic exhaust aftertreatment devices
- Excellent low temperature properties provide quick cold start
- Excellent engine protection against wear
- Due to the well-balanced additive package and base stocks the oils have improved detergency / dispersancy, oxidative and thermal stability and anti-foaming properties

TYPICAL TEST DATA

PROPERTY	Test method	LUKOIL AVANTGARDE PROFESSIONAL LS5	
		SAE 5W-30	SAE 10W-40
Density at 20 °C, kg/m ³	GOST 3900 / ASTM D4052	854.9	854.9
Kinematic viscosity at 100 °C, mm ² /s	GOST 33 / ASTM D445 / GOST R 53708	12.05	14.08
Viscosity index	GOST 25371 / ASTM D2270	160	160
Cold Cranking Viscosity at -25 °C (CCS), mPa·s	ASTM D5293 / GOST R 52559	-	5,320
Cold Cranking Viscosity at -30 °C (CCS), mPa·s	ASTM D5293 / GOST R 52559	5,930	-
Borderline Pumping Viscosity at -30 °C (MRV), mPa·s	ASTM D4684 / GOST R 52257	-	18,700
Borderline Pumping Viscosity at -35 °C (MRV), mPa·s	ASTM D4684 / GOST R 52257	30,700	-
Total Base Number, mg KOH/1g oil	GOST 11362	7.9	8.1
Total Base Number, mg KOH/1g oil	GOST 30050 / ASTM D2896	9.6	10.2
Sulphated ash, %	GOST 12417 / ASTM D874	0.98	1.01
Noack evaporation loss, %	ASTM D5800	11.2	7.1
Flash Point, COC, °C	GOST 4333 / ASTM D92	231	241
Pour Point, °C	GOST 20287 B	-48	-37

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".