

LUKOIL AVANTGARDE PROFESSIONAL LE 5W-30

High quality multigrade Low-SAPS engine oil

Approvals

- API CJ-4
- MB-Approval 228.51/228.31
- MAN M 3677
- MTU Oil Category 3.1
- Deutz DQC IV-10 LA
- VOLVO VDS-4
- Mack EO-O PP
- Renault VI RLD-3
- Scania LDF-4

Meets requirements

- ACEA E4/E6/E7/E9
- Scania LA
- MAN 3477/3575/3271-1
- MTU Oil Category 2.1
- Cummins CES 20081
- Caterpillar ECF-3
- ZF TE-ML 07D
- Detroit Diesel DFS 93K218
- Ford WSS-M2C213-A1
- IVECO 18-1804 Classe TLS E6
- DAF
- PJSC «Avtodizel» (YMZ)

Product description

High performance engine oil for use in high-speed heavy duty diesel engines, including engines with DPF. Thanks to well-balanced technology «Low Emissions», which combines high Total Base Number with low sulphated ash level, meets the requirements of all four European heavy duty diesel engine oil specifications.

Application

It is designed for use in the latest heavy duty diesel engines of world's leading manufacturers (MAN, Mercedes-Benz, Scania, Volvo, MTU, Deutz, Cummins, etc.), including engines equipped with turbocharges, Exhaust Gas Recirculation (EGR) systems and Selective Catalytic Reduction (SCR) systems. Provides extended drain intervals and can be used in engines fueled by ULSD (Ultra Low Sulphur Diesel).

Benefits

OXIDATION RESISTANCE

High thermal and oxidation stability

ENGINE CLEANLINESS

Great dispersant and detergent properties prevent deposits formation on engine parts

EASY START

Excellent low-temperature pumpability

COMPATIBILITY WITH AFTERTREATMENT SYSTEM

Extends the life of aftertreatment system components

Typical test data

The information given in the typical data does not constitute a specification and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO «LLK-International»

Property	Test methods	Value
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445	12.23
Viscosity index	ASTM D2270	166
Dynamic viscosity (CCS) at -30°C, mPa·s	ASTM D5293 / GOST R 52559	5,400
Total Base Number, mg KOH/1 g oil	ASTM D2896	12.9
Dynamic viscosity (MRV) at -35°C, mPa·s	ASTM D4684 / GOST R 52257	28,400
Sulphated ash, %	ASTM D874	0.94
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	11.6
Flash Point, COC, °C	ASTM D92	230
Pour Point, °C	ASTM D97	-38