

## LUKOIL AVANTGARDE PROFESSIONAL LE 10W-40

High quality multigrade Low-SAPS engine oil

### Specifications

- API CJ-4
- ACEA E4/E7/E6/E9
- Scania LA
- Mack EO-O PP
- Cummins CES 20081
- MB 228.51/228.31
- MTU Oil Category 2.1
- Detroit Diesel DDC 93K218
- DAF
- MAN M 3477/3575/3271-1
- MTU Oil Category 3.1
- VOLVO VDS-4
- Renault VI RLD-3
- Deutz DQC IV-10 LA
- JASO DH-2
- Caterpillar ECF-3
- IVECO NG2
- 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 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 turbochargers, 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

#### EASY START

Guarantees easy engine start at low temperatures due to excellent low-temperature properties

#### COMPATIBILITY WITH AFTERTREATMENT SYSTEM

Well-balanced technology "Low Emissions" allows to use this oil in both new engines, equipped with aftertreatment devices and conventional engines

### 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 <sup>2</sup> /s	ASTM D445	13.95
Viscosity index	ASTM D2270	156
Dynamic viscosity (CCS) at -25°C, mPa·s	ASTM D5293 / GOST R 52559	5,400
Total Base Number, mg KOH/1 g oil	ASTM D2896	13
Sulphated ash, %	ASTM D874	1.0
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	8.7
Pour Point, °C	GOST 20287 B	-38