

LUKOIL AVANTGARDE ULTRA 10W-40

Multigrade engine oil for heavy-duty diesel engines

Approvals

- PJSC "Autodiesel" (YAMZ) ;
- PJSC "KAMAZ"
- PJSC "Tutaev motor plant"

Meets requirements

- ACEA E7
- API CI-4/SL
- VOLVO VDS-3
- Mack EO-N
- Renault VI RLD-2
- MB 228.3
- Cummins CES 20078/77/76/72/71
- MTU Oil Category 2
- MAN M 3275-1
- Deutz DQC III-10
- Caterpillar ECF-2/ECF-1-a

Product description

LUKOIL AVANTGARDE ULTRA 10W-40 is a high-quality multigrade engine oil for use in heavy-duty diesel engines (both non-charged and turbocharged), operating under severe conditions.

LUKOIL AVANTGARDE ULTRA 10W-40 is based on synthetic and highly refined mineral base oils with a high-performance additive package, which keeps the engine clean and provides excellent anti-wear and anti-oxidant properties.

Application

LUKOIL AVANTGARDE ULTRA 10W-40 is recommended for use in diesel engines without particulate filters (DPF) and is suitable for use in some engines, equipped with EGR and SCR NOx reduction systems. LUKOIL AVANTGARDE ULTRA 10W-40 is designed for diesel engines up to Euro-5 ecological standard, where API CI-4 performance level is required. It can also be used in gasoline engines for which API SL oils are recommended.

Benefits

PROTECTION

Excellent protection against wear

CLEANNESS

Improved detergency and discrepancy

STABILITY

High oxidation stability

COLD START

Excellent low-temperature properties provide easy cold start

The product name in an order: Motor Oil LUKOIL AVANTGARDE ULTRA semi-synthetic SAE 10W-40, API CI-4/SL, STO 00044434-026-2013

Typical test data

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"

Property	Test methods	Value
Density at 15 °C, kg/m ³	ASTM D1298 / ASTM D4052	872
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445	15.2
Viscosity index	ASTM D2270	156
Cold Cranking Viscosity (CCS) at -25 °C, mPa·s	ASTM D5293 / GOST R 52559	6,557
Borderline Pumping Viscosity (MRV) at -30 °C, mPa·s	ASTM D4684 / GOST R 52257	38,152
Total Base Number, mg KOH/1 g oil	GOST 11362	9.7
Sulphated ash, %	ASTM D874	1.3
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	13.2
Flash Point, °C	ASTM D92	223
Pour Point, °C	GOST 20287 B	-35