

LUKOIL AVANTGARDE ULTRA PLUS 10W-40

Multigrade engine oil for heavy-duty diesel engines

Approvals

- API CI-4/SL
- VOLVO VDS-3
- Mack EO-N
- Renault VI RLD-2
- MTU Oil Category 2
- MB-Approval 228.3
- MAN M 3275-1
- Deutz DQC III-10
- Cummins CES 20078
- ПАО «Автодизель» (ЯМЗ)
- ПАО «КАМАЗ»

Meets requirements

- ACEA E7
- Caterpillar ECF-2, ECF-1-a
- Cummins CES 20077/20076
- ZF TE-ML 03A/05K/07D/21K
- Renault VI RLD
- Mack EO-M Plus
- Global DHD-1

Product description

LUKOIL AVANTGARDE ULTRA PLUS 10W-40 – multigrade universal semi-synthetic engine oil for heavy-duty diesel engines (both non-charged and turbo-charged) operating under severe conditions and requiring an extended drain interval.

LUKOIL AVANTGARDE ULTRA PLUS 10W-40 is based on synthetic and highly refined mineral base oils with a high-performance additive package.

Application

LUKOIL AVANTGARDE ULTRA PLUS 10W-40 is recommended for use in four-stroke diesel engines of light-commercial, heavy-duty vehicles and special equipment (e.g. agricultural, mining and construction equipment). The oil is designed for engines without particulate filters (DPF) and is suitable for use in some engines, equipped with EGR and SCR NOx reduction systems.

LUKOIL AVANTGARDE ULTRA PLUS 10W-40 can 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

APPROVALS

Has a full set of approvals from leading manufacturers of commercial vehicles

The product name in an order: Motor Oil LUKOIL AVANTGARDE ULTRA PLUS 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	869.7
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445	14.7
Kinematic viscosity at 40 °C, mm ² /s	ASTM D445	98.4
Viscosity index	ASTM D2270	156
Cold Cranking Viscosity (CCS) at -25 °C, mPa·s	ASTM D5293 / GOST R 52559	6,577
Borderline Pumping Viscosity (MRV) at -30 °C, mPa·s	ASTM D4684 / GOST R 52257	22,987
Total Base Number, mg KOH/1 g oil	ASTM D2896	10.9
Sulphated ash, %	ASTM D874	1.42
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	11.4
Flash Point, °C	ASTM D92	230
Pour Point, °C	GOST 20287 B	-40