

LUKOIL AVANTGARDE ULTRA 15W-40

Multigrade engine oil for heavy-duty diesel engines

APPROVALS

API CI-4/SL
VOLVO VDS-3
Mack EO-N
Renault VI RLD-2
MB-Approval 228.3
Deutz DQC III-10
Cummins CES 20078
MTU Oil Category 2
PJSC "Tutaev Motor Plant"
PJSC "Avtodizel" (YMZ)
PJSC "KAMAZ"

MEETS REQUIREMENTS

ACEA E7
Caterpillar ECF-2/1-a
Cummins CES 20077/76/72/71
MAN M 3275-1
Mack EO-M Plus
Detroit Diesel DFS 93K215
ZF TE-ML 03A/04P/07D

PRODUCT DESCRIPTION

LUKOIL AVANTGARDE ULTRA 15W-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 15W-40 is based on highly refined mineral base oils with high-performance additive package, which keeps the engine clean and provides excellent anti-wear and anti-oxidant properties.

APPLICATION

LUKOIL AVANTGARDE ULTRA 15W-40 is recommended for use in four-stroke diesel engines of heavy-duty trucks 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 NO_x reduction systems.

LUKOIL AVANTGARDE ULTRA 15W-40 can be used where previous API engine oil categories are required (API CH-4, CG-4 and below).

The product name in an order:

Motor oil LUKOIL AVANTGARDE ULTRA SAE 15W-40, API CI-4/SL, STO 00044434-026-2013

TYPICAL TEST DATA

PROPERTY	Test methods	LUKOIL AVANTGARDE ULTRA 15W-40
Density at 15 °C, kg/m ³	ASTM D1298 / ASTM D4052	887
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445	14.9
Viscosity index	ASTM D2270	134
Cold Cranking Viscosity at -20°C, CCS, mPa·s	ASTM D5293 / GOST R 52559	6.82
Pumping Viscosity at -25°C (MRV), mPa·s	ASTM D4684 / GOST R 52257	34.5
Total Base Number, mg KOH/1 g oil	ASTM D2896	8.5
Sulphated ash, %	ASTM D874	1.4
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	10.4
Flash Point, COC, °C	ASTM D92	232
Pour Point, °C	GOST 20287 B	-30

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"