

LUKOIL AVANTGARDE ULTRA PLUS SAE 10W-40, API CI-4/SL

Premium multi-grade semi-synthetic engine oil for commercial vehicles

APPROVALS

API CI-4/SL - licensed
Cummins CES 20078
Deutz DQC III-10
Mack EO-N
MAN M 3275-1
MTU Category 2
Renault VI RLD-2
Volvo VDS-3
MB-Approval 228.3

MEETS REQUIREMENTS

ACEA E7
Caterpillar ECF-2, ECF-1-a
Cummins CES 20076/77
Mack EO-M Plus

PRODUCT DESCRIPTION

LUKOIL AVANTGARDE ULTRA PLUS SAE 10W-40, API CI-4/SL is premium multi-grade engine oil for heavy-duty diesel engines, including turbocharged ones, in severe operation conditions and at extended drain intervals. The product meets Euro-4 and previous emission standards (without Diesel Particulate Filter).

LUKOIL AVANTGARDE ULTRA PLUS SAE 10W-40, API CI-4/SL is based on modern synthetic and highly purified mineral base stocks with involvement of very efficiency thoroughly balanced additive package of foreign manufacture. The additive package provides operation properties which exceed requirements of world commercial vehicles manufacturers.

LUKOIL AVANTGARDE ULTRA PLUS SAE 10W-40, API CI-4/SL is recommended for commercial vehicles both in warranty and post-warranty operation periods.

APPLICATION

LUKOIL AVANTGARDE ULTRA PLUS SAE 10W-40, API CI-4/SL is intended for use in modern four stroke diesel engines of light commercial cars and heavy trucks, buses, construction machinery with exhaust gas recirculator (EGR) and selective catalyst reduction units (SCR), but except vehicles fitted with diesel particulate filter (DPF).

LUKOIL AVANTGARDE ULTRA PLUS SAE 10W-40, API CI-4/SL suits for use in highly accelerated gasoline and diesel engines with direct fuel injection in accordance with OEM recommendations and thus excellent for mixed fleets.

The product name in an order:

Engine Oil LUKOIL AVANTGARDE ULTRA PLUS SAE 10W-40, API CI-4/SL, STO 00044434-026-2013

TYPICAL TEST DATA

PROPERTY	Test method	LUKOIL AVANTGARDE ULTRA PLUS SAE 10W-40, API CI-4/SL
Density at 15 °C, kg/m ³	ASTM D4052 / ASTM D1298 / GOST R 51069	869.7
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445 / GOST 33 / GOST R 53708	14.7
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445 / GOST 33 / GOST R 53708	98.4
Viscosity Index	ASTM D2270 / GOST 25371	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/1g oil	ASTM D2896 / GOST 30050	10.9
Total base number, mg KOH/1g oil	GOST 11362, p. 7.3 STO	9.7
Sulfated ash, %	ASTM D874 / GOST 12417	1.42
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	11.4
Flash Point, COC, °C	GOST 4333 / ASTM D92	230
Pour Point, °C	GOST 20287 B	-40

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".