

LUKOIL AVANTGARDE PROFESSIONAL LA 5W-40

Modern heavy-duty diesel engine oil meets ACEA E9 and API CJ-4

APPROVALS

API CJ-4 - licensed (API #2523)
API SM - licensed (API #2523)
MB-Approval 228.31
MAN M 3575
Cummins CES 20081
DDC 93K218
VOLVO VDS-4
Mack EO-O PP
Renault RLD-3

MEETS REQUIREMENTS

API SN
ACEA E9
ACEA E7
CATERPILLAR ECF-3

PRODUCT DESCRIPTION

LUKOIL AVANTGARDE PROFESSIONAL LA 5W-40 is modern heavy-duty diesel engine oil specially designed in accordance with the specifications ACEA E9, API CJ-4 and the world leading manufacturer's recommendations. The product have been formulated using highly refined hydrosynthetic base stocks and advanced additive package of foreign production. Recommended for diesel engines meeting Euro I, Euro II, Euro III, Euro IV and Euro V emission requirements and running under severe conditions.

The product name In an order:

Motor oil LUKOIL AVANTGARDE PROFESSIONAL LA synthetic SAE 5W-40, STO 00044434-017-2010

APPLICATION

LUKOIL AVANTGARDE PROFESSIONAL LA 5W-40 is recommended for diesel engines of trucks and buses including vehicles with turbochargers and for most EGR (exhausted gas recirculation) engines and most engines fitted with SCR NOx reduction systems.

LUKOIL AVANTGARDE PROFESSIONAL LA 5W-40 meets ACEA E9 requirements, strongly recommended for engines fitted with particulate filters (DPF) and is designed for use in combination with ultra low sulfur diesel (ULSD).

TYPICAL TEST DATA

PROPERTY	Test methods	LUKOIL AVANTGARDE PROFESSIONAL LA 5W-40
Density at 20 °C, kg/m ³	GOST 3900 / GOST R 51069 / ASTM D1298 / ASTM D4052	846
Density at 15 °C, kg/m ³	ASTM D1298 / ASTM D4052	849
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445	14
Kinematic viscosity at 40 °C, mm ² /s	ASTM D445	87
Viscosity index	ASTM D2270	166
Cold Cranking Viscosity (CCS) at -30 °C, mPa·s	ASTM D5293 / GOST R 52559	6,000
Dynamic viscosity (MRV) at -35°C, mPa·s	ASTM D4684 / GOST R 52257	50,600
Total Base Number, mg KOH/1 g oil	ASTM D2896	10.3
Sulphated ash, %	ASTM D874	0.988
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	12.4
Flash Point, COC, °C	ASTM D92	224
Pour Point, °C	GOST 20287 B	- 45

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"