

# LUKOIL AVANTGARDE PROFESSIONAL LA 15W-40

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

## APPROVALS

**API** CJ-4 - licensed (API #2523)  
**API** SN - licensed (API #2523)  
**MB-Approval** 228.31  
**MAN** M 3575  
**Cummins** CES 20081  
**MTU** Category 2.1  
**VOLVO** VDS-4  
**Mack** EO-O PP  
**Renault** RLD-3

## MEETS REQUIREMENTS

**API** SM  
**ACEA** E9  
**Deutz** DQC III-10 LA  
**CATERPILLAR** ECF-3

## PRODUCT DESCRIPTION

**LUKOIL AVANTGARDE PROFESSIONAL LA 15W-40** is modern heavy-duty diesel engine oils 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 SAE 15W-40, STO 00044434-017-2010

## APPLICATION

**LUKOIL AVANTGARDE PROFESSIONAL LA 15W-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 15W-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 15W-40
Density at 20 °C, kg/m <sup>3</sup>	GOST 3900 / GOST R 51069 / ASTM D1298 / ASTM D4052	865.5
Kinematic viscosity at 100 °C, mm <sup>2</sup> /s	ASTM D445	14.65
Kinematic viscosity at 40 °C, mm <sup>2</sup> /s	ASTM D445	118
Viscosity index	ASTM D2270	148
Cold Cranking Viscosity at -20°C, CCS, mPa·s	ASTM D5293 / GOST R 52559	4,320
Pumping Viscosity at -25°C (MRV), mPa·s	ASTM D4684 / GOST R 52257	13,400
Total Base Number, mg KOH/1 g oil	ASTM D2896	8.6
Sulphated ash, %	ASTM D874	1.02
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	10.7
Flash Point, COC, °C	ASTM D92	233
Pour Point, °C	GOST 20287 B	- 42

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"