

# LUKOIL AVANTGARDE PROFESSIONAL LA SAE 10W-40

Modern Low SAPS multi-grade fully synthetic motor oil for commercial vehicles

## APPROVALS

**Cummins** CES 20081

## MEETS REQUIREMENTS

**API** CJ-4

**Caterpillar** ECF-3

## PRODUCT DESCRIPTION

**LUKOIL AVANTGARDE PROFESSIONAL LA SAE 10W-40** is a modern heavy-duty diesel engine oil specially designed in accordance with API CJ-4 specification and requirements of the world leading diesel engine manufacturer Cummins.

**LUKOIL AVANTGARDE PROFESSIONAL LA SAE 10W-40** was formulated using hydrosynthetic base stocks and advanced additive package of foreign production, providing the highest performance level.

**LUKOIL AVANTGARDE PROFESSIONAL LA SAE 10W-40** is recommended for high-speed diesel engines meeting Euro V emission requirements and running under severe conditions.

*The product name in an order:*

Motor oil LUKOIL AVANTGARDE PROFESSIONAL LA SAE 10W-40, STO 79345251-072-2015

## APPLICATION

**LUKOIL AVANTGARDE PROFESSIONAL LA SAE 10W-40** is intended 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 and diesel particulate filters DPF.

## BENEFITS

- Extended SCR NOx life
- Stable viscosity properties provide reliable start up in a wide temperature range
- Excellent wear protection of engine parts
- Improved resistance to oxidation, flashing and antifoam properties due to well-balanced additives and base components

## TYPICAL TEST DATA

PROPERTY	Test methods	LUKOIL AVANTGARDE PROFESSIONAL LA SAE 10W-40
Density at 20 °C, kg/m <sup>3</sup>	ASTM D4052 / GOST 3900	859.3
Kinematic viscosity at 100 °C, mm <sup>2</sup> /s	ASTM D445 / GOST 33 / GOST R 53708	89.9
Kinematic viscosity at 40 °C, mm <sup>2</sup> /s	ASTM D445 / GOST 33 / GOST R 53708	13.7
Viscosity index	ASTM D2270 / GOST 25371	155
Cold Cranking Viscosity at -25 °C, CCS, mPa·s	ASTM D5293 / GOST R 52559	5,300
Borderline Pumping Viscosity at -30 °C, MRV, mPa·s	ASTM D4684 / GOST R 52257	39,400
Total Base Number, mg KOH / 1 g oil	ASTM D2896 / GOST 30050	8.8
Total Base Number, mg KOH / 1 g oil	GOST 11362	6.9
Sulphated ash, %	ASTM D874 / GOST 12417	1.0
Flash Point, COC, °C	GOST 4333 / ASTM D92	234
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".