

## LUKOIL AVANTGARDE PROFESSIONAL LA 5W-40

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

### Approvals

- API CJ-4/SN
- VOLVO VDS-4
- Mack EO-O PP
- Renault VI RLD-3
- Detroit Diesel DDC 93K218

### Meets requirements

- ACEA E9/E7
- MAN M 3575
- Cummins CES 20081
- Caterpillar ECF-3
- MB 228.31

### Product description

Universal synthetic heavy-duty diesel engine oil specially formulated to meet ACEA E9, API CJ-4 and the world leading manufacturer's specifications. The product have been formulated using synthetic base stocks and advanced additive package.

### Application

It is recommended for current low emission diesel engines of trucks and buses (including vehicles with turbochargers) equipped with advanced exhaust aftertreatment devices such as diesel particulate filters (DPF), selective catalytic reductions (SCR) increased rates of exhaust gas recirculation (EGR). It is recommended in combination with Ultra Low Sulfur Diesel (ULSD).

### Benefits

#### ENGINE CLEANLINESS

Prevents the formation of high - and low temperature deposits due to the low content of sulfated ash

#### OXIDATION RESISTANCE

Superior oxidation stability

#### MAXIMUM PROTECTION

Excellent protection against wear

#### COMPATIBILITY WITH AFTERTREATMENT SYSTEM

Extends the life of aftertreatment system components

The product name in an order: Motor oil LUKOIL AVANTGARDE PROFESSIONAL LA synthetic SAE 5W-40, STO 00044434-017-2010

### Typical test data

The information given in the typical data does not constitute a specification and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO «LLK-International»

Property	Test methods	Value
Density at 20 °C, kg/m <sup>3</sup>	ASTM D1298 / ASTM D4052	846
Kinematic viscosity at 100 °C, mm <sup>2</sup> /s	ASTM D445	14
Viscosity index	ASTM D2270	166
Dynamic viscosity (CCS) at -30°C, mPa·s	ASTM D5293 / GOST R 52559	6,000
Total Base Number, mg KOH/1 g oil	ASTM D2896	10.3
Sulphated ash, %	ASTM D874	0.99
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	12.4
Flash Point, COC, °C	ASTM D92	224
Pour Point, °C	GOST 20287 B	-45