

## LUKOIL AVANTGARDE EXTRA 15W-40

Multigrade heavy-duty diesel engines oil

### Approvals

- API CH-4/SJ;
- MB-Approval 228.3;
- TMZ
- KAMAZ
- YaMZ

### Meets requirements

- API CF-4/SG
- API CG-4;
- ACEA E5;
- MB 228.1;
- Cummins CES 20071/20072/20076/20077;
- Renault VI RLD;
- ZF TE-ML 03A/04P/07D;
- MAN M 3275-1;
- Caterpillar ECF-1-a;
- VOLVO VDS-2;
- MTU Oil Category 2;
- Deutz DQC II;
- AAE (STO 003) Group D5

### Product description

LUKOIL AVANTGARDE EXTRA 15W-40 multigrade universal mineral engine oil intended for use in heavy-duty diesel engines of trucks and special equipment. It is based on high-quality base oils and well-balanced additive package.

### Application

LUKOIL AVANTGARDE 15W-40 est spécialement conçue pour être utilisée dans les moteurs diesel, que ce soit des camions turbocompressés ou non, qui fonctionnent dans des conditions extrêmes où un niveau de performance API CF-4 est requis. Elle peut également être utilisée dans les moteurs à essence pour lesquels les huiles API SG sont recommandées.

### Benefits

#### PROTECTION

Excellent protection against wear

#### CLEANNESS

Improved detergency and discrepancy

#### STABILITY

High oxidation stability

The product name in an order: Engine oil LUKOIL AVANTGARDE EXTRA SAE 15W-40, API CH-4/CG-4/SJ STO 00044434-026-2013

### Typical test data

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"

Property	Test methods	Value
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298 / ASTM D4052	884.0
Kinematic viscosity at 100 °C, mm <sup>2</sup> /s	ASTM D445	15.3
Viscosity index	ASTM D2270	140
Cold Cranking Viscosity at -20°C, CCS, mPa·s	ASTM D5293 / GOST R 52559	6,053
Pumping Viscosity at -25°C (MRV), mPa·s	ASTM D4684 / GOST R 52257	32,850
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	11.0
Total Base Number, mg KOH/1 g oil	ASTM D2896	8.6
Sulphated ash, %	ASTM D874	1.0
Flash Point, °C	ASTM D92	223
Pour Point, °C	GOST 20287 B	-30