

LUKOIL AVANTGARDE ULTRA M3 15W-40

Multigrade engine oil for mining and construction machinery

Specifications

- API CI-4
- MB 228.3
- ACEA E4/E7
- MTU Oil Category 3
- Detroit Diesel DFS 93K215
- MAN M 3275
- Caterpillar ECF-2
- Cummins CES 20078
- VOLVO VDS-3
- Renault VI RLD-2
- Deutz DQC III-18
- JASO DH-1
- Mack EO-N

Product description

Multigrade semi-synthetic engine oil meeting requirements of modern engine manufacturers of mining and construction machinery (Cummins, MTU, etc.) which requires extended oil drain intervals. It is based on synthetic base stocks and modern advanced additives package.

Application

It is recommended for diesel engines of heavy duty mining, construction, off-road and specialized machines, as well as machinery which require extended oil drain intervals. The oil is also recommended for diesel engines according to API CI-4 and 15W-40 grade, what is essential for mixed fleets of equipment.

Benefits

OXIDATION RESISTANCE

High anti-oxidation and thermal stability provides extended drain interval in comparison with ordinary API CI-4 oils

ENGINE CLEANLINESS

High level of anti-wear and detergent dispersant properties reduces deposit formation and provides engine cleanliness

EXTENDED DRAIN INTERVAL

The oil allows to increase equipment operation efficiency due to reducing downtime for maintenance and oil change

The product name in an order: Motor oil LUKOIL AVANTGARDE ULTRA M3 SAE 15W-40, API CI-4 STO 00044434-026-2013

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 ³	ASTM D4052	862.5
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445	15.8
Dynamic viscosity (CCS) at -20°C, mPa·s	ASTM D5293 / GOST R 52559	5,800
Viscosity index	ASTM D2270	145
Total Base Number, mg KOH/1 g oil	ASTM D2896	13.5
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	6.7
Sulphated ash, %	ASTM D874	1.5
Flash Point, COC, °C	ASTM D92	227
Pour Point, °C	GOST 20287 B	-38