

## LUKOIL AVANTGARDE PROFESSIONAL M5 10W-40

Multigrade synthetic technology engine oil for heavy-duty diesel engines

### Specifications

- API CI-4
- MB 228.5
- Cummins CES 20078
- Renault VI RLD-2
- Caterpillar ECF-2
- Deutz DQC III-18
- ACEA E4/E7
- MAN M 3277
- Mack EO-N
- VOLVO VDS-3
- MTU Oil Category 3
- JASO DH-1

### Product description

Multigrade synthetic technology engine oil specially developed to meet the requirements of the world's leading engine manufacturers standards. It is formulated with purified synthetic base oils and high-performance additive package, which provides extended drain interval.

### Application

Recommended for modern heavy-duty turbocharged engines of Euro-4 and Euro-5 level, equipped with exhaust gas recirculation (EGR) and selective catalytic reduction (SCR) systems. The oil is not recommended for use in diesel engines with DPFs (Diesel Particulate Filters).

### Benefits

#### ACID PROTECTION

Excellent neutralizing capacity

#### EASY COLD START

Provides easy cold start at low temperatures

#### MAXIMUM PROTECTION

Provides excellent protection against wear in severe operating conditions

#### OXIDATION RESISTANCE

Outstanding thermal and oxidation stability and hence increased drain interval

The product name in an order: Motor oil LUKOIL AVANTGARDE PROFESSIONAL M5 SAE 10W-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 15 °C, kg/m <sup>3</sup>	ASTM D1298 / ASTM D4052	862
Kinematic viscosity at 100 °C, mm <sup>2</sup> /s	ASTM D445	15.2
Viscosity index	ASTM D2270	152
Dynamic viscosity (CCS) at -25°C, mPa·s	ASTM D5293 / GOST R 52559	6,120
Pour Point, °C	GOST 20287 B	-42
Total Base Number, mg KOH/1 g oil	ASTM D2896	13.5
Sulphated ash, %	ASTM D874	1.46
Flash Point, COC, °C	ASTM D92	230
Noack evaporation loss, %	ASTM D5800 / DIN 51581-1	9.9