

LUKOIL AVANTGARDE PROFESSIONAL M5 SAE 10W-40

Modern engine oil designed with due regard to requirements of MAN, MTU, Mercedes-Benz, Cummins, Deutz according to synthetic technology

APPROVALS

API CI-4-licensed (API №2523)
MB-Approval 228.5
MAN M 3277, M 3291
MTU Category 3
Cummins CES 20078
Deutz DQC III-10

MEETS REQUIREMENTS

ACEA E4

PRODUCT DESCRIPTION

LUKOIL AVANTGARDE PROFESSIONAL M5 SAE 10W-40 is multi-grade engine oil specially designed with due regard to requirements of world leaders of engine manufacturers according to synthetic technology. The product is intended for diesel engines operated in severe conditions and at extended drain intervals.

LUKOIL AVANTGARDE PROFESSIONAL M5 SAE 10W-40 underwent tests and has been approved according MAN M 3277, MB 228.5, Cummins CES 20078 and Deutz DQC III-10 specifications. The product was designed for modern diesel engines which meet requirements both of Euro-4 and Euro-5.

LUKOIL AVANTGARDE PROFESSIONAL M5 SAE 10W-40 is formulated using modern

synthetic base oils and thoroughly selected high-performance additive package of foreign production.

APPLICATION

LUKOIL AVANTGARDE PROFESSIONAL M5 SAE 10W-40 is intended for diesel engines which require performance level according to API CI-4, ACEA E4, MAN M 3277, MB 228.5 and Deutz DQC III-10.

LUKOIL AVANTGARDE PROFESSIONAL M5 SAE 10W-40 is recommended for heavy loaded diesel engines of trucks and buses without particulate filters (DPF) but fitted with turbo charger, exhaust recirculation system and SCR NOx reduction system. The recommended oil drain intervals are listed in the operating instructions of OEMs.

The product name in an order:

Motor oil LUKOIL AVANTGARDE PROFESSIONAL M5 SAE 10W-40, STO 00044434-017-2010

TYPICAL TEST DATA

PROPERTY	Test method	LUKOIL AVANTGARDE PROFESSIONAL M5 SAE 10W-40
Kinematic viscosity at 100 °C, mm ² /s	GOST 33 / ASTM D445 / GOST R 53708	13.8
Viscosity Index	GOST 25371 / ASTM D2270	154
Cold Cranking Viscosity (CCS) at -25 °C, mPa·s	ASTM D5293 / GOST R 52559	6,260
Borderline Pumping Viscosity (MRV) at -30 °C, mPa·s	ASTM D4684 / GOST R 52257	22,300
Total base number, mg KOH/1 g oil	GOST 30050 / ASTM D2896	13.5
Total base number, mg KOH/1 g oil	GOST 11362	11.6
Sulphated ash, %	GOST 12417 / ASTM D874	1.7
Flash Point, COC, °C	GOST 4333 / ASTM D92	216
Pour Point, °C	GOST 20287 B	-30
Noack evaporation loss, %	ASTM D5800	11,0

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".