

LUKOIL AVANTGARDE PROFESSIONAL M5 10W-40

Modern engine oil designed for MAN, Mercedes-Benz and MTU heavy-duty diesel engines

APPROVALS

API CI-4
Cummins CES 20078
Deutz DQC III-10
MTU Oil Category 3
MAN M 3277
MB-Approval 228.5

MEETS REQUIREMENTS

ACEA E4/ E7
ZF TE-ML 03A, 05K, 07D, 21K

PRODUCT DESCRIPTION

LUKOIL AVANTGARDE PROFESSIONAL M5 10W-40 is the oil for diesel engines operating under severe conditions and / or extended drain intervals designed according to requirements of the world-leading OEMs specifications.

LUKOIL AVANTGARDE PROFESSIONAL M5 10W-40 has MAN M 3277, MTU Category 3, MB 228.5 and Cummins CES 20078 approvals and meets requirements ACEA E4. It is intended for use in highly rated modern engines meeting Euro I, II, III, IV and Euro V emission requirements in combination with low sulfur diesel fuel.

LUKOIL AVANTGARDE PROFESSIONAL M5 10W-40 formulated using highly refined synthetic base stocks and advanced additive technology of foreign production.

APPLICATION

LUKOIL AVANTGARDE PROFESSIONAL M5 10W-40 is recommended for diesel engines running under severe conditions requiring MAN 3277, MB 228.5 and MTU Category 3 quality level.

LUKOIL AVANTGARDE PROFESSIONAL M5 10W-40 is suitable for vehicles without particulate filters (DPF) including turbocharged engines and for most engines fitted with SCR NOx reduction systems.

The recommended oil drain intervals are listed in the operating instructions of OEMs.

TYPICAL TEST DATA

PROPERTY	Units	Test methods	LUKOIL AVANTGARDE PROFESSIONAL M5 10W-40
Density at 15°C	kg/m ³	ASTM D 7042	873
Flash point, COC	°C	ASTM D 92 SR EN ISO 2592	220
Viscosity class	--	SAE J 300	10W-40
Kinematic viscosity at 100°C	mm ² s ⁻¹	ASTM D 7042 STAS 1666	14,6
Kinematic viscosity at 40°C	mm ² s ⁻¹	ASTM D 7042 STAS 1666	98
Viscosity index	--	ASTM D 7042 SR ISO 2909	155
Pour point	°C	ASTM D 97 SR 13552	-40

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"



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Nürnberg,
06.02.2019

Prolongation of approval against M 3277

Start of approval: 07.03.2013

Prolongation of approval until: 06.03.2022

Marketing area: worldwide

Dear Sirs,

we are pleased to inform you, that the approval for the diesel engine oil bearing the designation

Lukoil Avantgarde Professional M5 10W-40

has been prolonged under MAN approval-no.

TUC 0085/13 for SAE 10W-40

Oilcode: Confidential

This prolongation is only available for the unchanged formulation and in combination with the original approval letter. The approval will automatically expire at the point in time indicated above, unless an prolongation has been applied for in good time by the maker or supplier.

Yours faithfully,

MAN Truck & Bus AG

This letter was created electronically without signature.

Andrea Dawidczak

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