



Quality is in our nature

Heavy duty diesel engine oils - low SAPS

Eurol Marathol 10W-40

UHPD motor oil, based on low SAPS technology

Description

Eurol Marathol 10W-40 is an ultra high performance motor oil for commercial vehicles based on the so called 'low SAPS' technology. This means that sulphur, phosphorus and sulphated ash concentrations are reduced radically, to protect the exhaust gas after treatment systems.

Especially Mercedes (228.51) and MAN (M3477) have set up special standards for the oil to meet Euro-4 and Euro-5 emission regulations, including reduced sulphur, phosphorus and sulphated ash concentrations. For this reason, ACEA launched the E6 specification at the end of 2004.

Eurol Marathol 10W-40 has fuel economy properties and because of the special additive technology, both the oil and the engine are kept clean in an unprecedentedly way. In Euro-4, 5 and Euro-6 engines the harmful exhaust gas emission is reduced.

Eurol Marathol 10W-40 is suitable for extended drain intervals, if allowed by the OEM and depending on working conditions and filtration methods, so it reduces maintenance cost.

Eurol Marathol 10W-40 can also be applied in older trucks with Euro-3 engines, where ACEA E4, Mercedes 228.5 and MAN 3277 are prescribed, as well Renault RXD and DAF HP-2.

Specifications

<u>Approved</u>	MAN M 3477
MB-Approval 228.51	MAN M 3271-1
Volvo VDS-3	Renault RXD
Renault RLD-2	CES 20076
Mack EO-N	CES 20077
<u>Performance level</u>	MTU type 3.1
API CI-4	Renault RGD
ACEA E6	DAF
ACEA E7	JASO DH-2
ACEA E9	Deutz DQC TTCD, DQC IV-
MB 226.9	18 LA

Physical properties

Colour	brown	
Density at 20°C	0.859 kg/l	ASTM D 1298
Viscosity, kinematic at 40°C	98.1 cSt	ASTM D 445
Viscosity, kinematic at 100°C	14.7 cSt	ASTM D 445
Viscosity Index	156	ASTM D 2270
Viscosity, dynamic (CCS)	5466 cP	ASTM D 2602
Base number	10.1 mg KOH/g	ASTM D 2896
Sulphated ash	0.99 wt%	ASTM D 874
Flash point	233 °C	ASTM D 93
Pour point	-39 °C	ASTM D 97

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Version 5.0, 26-04-2021

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