



Quality is in our nature

Heavy duty diesel engine oils - Fully Synthetic

Eurol Marathol FE 5W-30

Fully synthetic UHPD motor oil, based on low SAPS technology

Description:

Eurol Marathol FE 5W-30 is a fully synthetic motor oil for commercial vehicles based on 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.

Eurol Marathol FE 5W-30 is also recommended in gasoline engines, where SAE 5W-30 with API SN (as well as SJ, SL and SM) is prescribed.

Eurol Marathol FE 5W-30 contributes to a higher fuel economy and, because of the special additive technology, both the oil and the engine are kept clean in an unprecedented way. In Euro-4, Euro-5 and Euro-6 engines, the harmful exhaust gas emission is reduced.

Eurol Marathol FE 5W-30 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 FE 5W-30 can also be applied in older trucks with Euro-3 engines, where Mercedes 228.5 or MAN 3277 is prescribed, as well Renault RXD in countries where diesel with a low sulphur content is used.

Specifications

<u>Approved</u>	ACEA E6	Mack EO-N Premium Plus
API CJ-4/SN	ACEA E7	Mack EO-M Plus
MAN M 3677	ACEA E9	JASO DH-2
MAN M 3477	MB 228.51	Deutz DQC IV-10-LA
MAN M 3271-1	Renault RXD	Scania LDF-4
Volvo VDS-4	Caterpillar ECF-3	<u>Recommended for use</u>
Volvo VDS-3	CES 20081	Scania Low Ash
Renault RLD-3	MTU type 3.1	
Renault RLD-2	Renault RGD	
Mack EO-O PP	Detroit Diesel DDC 93K218	
<u>Performance level</u>	Voith Class B	

Physical properties

Colour	brown	
Density at 20°C	0.852 kg/l	ASTM D 1298
Viscosity, kinematic at 40°C	70.3 cSt	ASTM D 445
Viscosity, kinematic at 100°C	11.9 cSt	ASTM D 445
Viscosity Index	166	ASTM D 2270
Viscosity, dynamic (CCS)	5860 cP	ASTM D 2602
HTHS	3.5 cP	CEC CL 23
Base number	10.1 mg KOH/g	ASTM D 2896
Sulphated ash	0.99 wt%	ASTM D 874
Flash point	226 °C	ASTM D 93
Pour point	-48 °C	ASTM D 97

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