



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 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. 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.

### Approved

- API CJ-4/SN
- MAN M 3677
- Volvo VDS-4
- Mack EO-O PP
- Scania LDF-4
- Renault VI RLD-3

### Performance level

- ACEA E6
- ACEA E7
- ACEA E9
- DTFR 15C110 (MB 228.51)
- MAN M 3477
- MAN M 3271-1
- Volvo VDS-3
- Renault VI RLD-2
- Renault RXD
- Caterpillar ECF-3
- CES 20081
- MTU type 3.1
- Renault RGD
- Detroit Diesel DDC 93K218
- Voith Class B
- Mack EO-M Plus
- JASO DH-2
- Deutz DQC IV-10-LA

### Recommended for use

- Scania Low Ash
- DAF

### Physical properties

Colour	brown	
Density at 20°C	0.852 kg/l	ASTM D 4052
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 5293
HTHS	3.5 cP	CEC CL 23
Base number	10.1 mg	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

Article number E100120  
Version 11.2, 26-06-2023

Eurol B.V. Energiestraat 12, 7442 DA Nijverdal, The Netherlands, tel. +31 548 61 51 65, [www.eurol.com](http://www.eurol.com)

This document is intended to inform you about product properties and possible applications of Eurol products. Because of continuous product research and development, the information in this document can be changed at all times, without foregoing notice. The analytical data in this product data sheet are typical values. Small deviations, which may occur during the normal manufacturing process of the product, will not affect the quality of the product. Although this information sheet is compiled with great care, Eurol accepts no liability for damage resulting from incompleteness and/or inaccuracies in the text. We recommend that you always follow the manufacturer's instructions.