



Heavy duty diesel engine oils - low SAPS

## Eurol Marathol 10W-40

UHPD motor oil, based on low SAPS technology

### Beschreibung

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 unprecedented 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.

### Approved

- MB-Approval 228.51
- Volvo VDS-3
- Mack EO-N
- Renault VI RLD-2

### Performance level

- API CI-4
- ACEA E6
- ACEA E7
- ACEA E9
- ACEA E8/E11
- MB 226.9
- MAN M 3477
- MAN M 3271-1
- Renault RXD
- Caterpillar ECF-1-A
- CES 20076
- CES 20077
- MTU type 3.1
- Renault RGD
- DAF
- JASO DH-2
- Deutz DQC TTCD, DQC IV-18 LA
- Iveco 18-1804 TLS E6

### Physikalische Eigenschaften

Farbe	braun	
Dichte bei 20°C	0.859 kg/L	ASTM D 4052
Viskosität, kinematisch bei 40°C	98.1 cSt	ASTM D 445
Viskosität, kinematisch bei 100°C	14.7 cSt	ASTM D 445
Viskositätsindex	156	ASTM D 2270
Viskosität, dynamisch (CCS)	5466 cP	ASTM D 5293
Base number	10.1 mg	ASTM D 2896
Sulfatasche	0.99 wt%	ASTM D 874
Flammpunkt	232 °C	ASTM D 93
Stockpunkt	-39 °C	ASTM D 97

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