

## MARATHON PREMIUM 10W-30

Ultra high-performance lubricants for diesel heavy vehicles engines. Specially developed for extended service intervals for exhaust post-treatment systems and turbocharger.

### SPECIFICATIONS

Specifications:

- ACEA E11/E9/E7
- API CK-4 / CJ-4 / SN
- CAT ECF-3
- JASO DH-2

OEM Approvals :

- MACK EO-S 4.5
- RENAULT RLD-3
- VOLVO VDS 4.5

Recommandations:

- CUMMINS 20086
- DETROIT DIESEL 93K222
- DEUTZ DQC III-10 LA
- FORD M2C171-F1
- MAN M 3775 / 3575
- MB 228.31
- MTU DC TYPE 2.1
- RENAULT RLD-4

### APPLICATIONS

**MARATHON PREMIUM 10W-30** is suitable for vehicles equipped with exhaust gas treatment systems such as Diesel Particulate Filters (DPF), Diesel Oxidation Catalyst (DOC), Exhaust Gas Recirculation (EGR), two-stage turbo charging and SCR-Catalyst (Selective Catalytic Reduction).

**MARATHON PREMIUM 10W-30** is compatible with older generations diesel engines, whatever their exhaust gas post-treatment systems.

**MARATHON PREMIUM 10W-30** is miscible with classic engine oils but only achieves its full performance if unmixed with other qualities

### MAIN PROPERTIES

- Increased fuel economy and better cold behavior thanks to the grade 10W30.
- Protecting exhaust gas treatment systems with very low sulfated ash levels and low content levels of phosphorus and sulfur.
- Excellent wear protection, even under constant full load due to the new additive and base oil technology.
- Highest neutralization potential (TBN) in its class. Durable protection against aggressive acids and corrosion during the whole oil drain interval.
- Reduced content of heavy metals, minimizes contaminant emissions.
- Prevents from deposits in the engine and turbocharger due to excellent soot handling properties. This results in high levels of performance, reliability & low maintenance costs.

### TECHNICAL CHARACTERISTICS

Characteristics	UNIT	Average values	METHOD
SAE Grade		<b>10W-30</b>	
Density at 15°C	kg/m <sup>3</sup>	0,865	DIN 51757
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	90.8	DIN 51562-1
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	11.95	DIN 51562-1
Viscosity Index		142	DIN ISO 2909
Flash point	°C	238	DIN ISO 2592
Pour point	°C	-45	DIN ISO 3016
Sulfated ash	%	1	DIN 51575
TBN	mgKOH/g	8.54	NFT 60112