

## MARATHON 10W-40

*Long life synthetic lubricant for heavy vehicles diesel engines*

### SPECIFICATIONS

Specifications :	<b>ACEA E7/E4</b> <b>API CI-4</b> <b>GLOBAL DHD-1</b> <b>JASO DH-1</b>
OEM Approvals :	<b>MB APPROVAL 228.5</b> <b>MAN M 3277</b> <b>RENAULT RLD-2</b> <b>VOLVO VDS-3</b> <b>MACK EO-N</b>
Recommandations :	<b>IVECO 18-1804</b> <b>ALLISON C4</b> <b>CUMMINS CES 20077/8</b> <b>DETROIT DIESEL 93K215</b> <b>DEUTZ DQC III-18</b> <b>MTU DDC TYPE-3</b>

### APPLICATIONS & PROPERTIES

Oil change intervals can be extended up to :  
\* 60 000 kilometers in long haul services;  
\* 800 hours on heavy equipment or stationary engines.

- Long life synthetic lubricant specially formulated to maximize the diesel engine overhaul period.
- Excellent behavior in turbocharged diesel engines due to its high stability at high temperature.
- Dependable cold starts & rapid oil circulation ensuring operational reliability and reduction of start-up wear and fuel consumption.
- Synthetic bases provide an outstanding shear stability, avoiding viscosity loss under extreme duty.
- Selected dispersant additives maximize engine life preventing bore polishing & sludges development.

### TECHNICAL CHARACTERISTICS

Average Characteristics	Unit	Average Value
SAE Grade		<b>10W-40</b>
Density at 15°C	kg/m <sup>3</sup>	871
Viscosity at 100°C	mm <sup>2</sup> /s	14.2
Viscosity at 40°C	mm <sup>2</sup> /s	92.8
Viscosity Index		156
Pour Point	°C	- 42
Sulphated Ash	% m/m	< 2.0