TEKMA MEGA X
15W-40

Lubricant for Heavy Duty Diesel engine

SHPD: « Super High Performance Diesel »

Technosynthese®

TYPE OF USE

All low emissions European, American or Japanese heavy duty Diesel engines naturally aspirated or turbocharged, in line with Euro II, Euro III, Euro IV, Euro V fitted with EGR System (Exhaust Gas Recirculation), SCR (Selective Catalytic Reduction) or older engine generation: Trucks, Bulldozers, Construction machinery, Buses, Farm machinery, Stationary engines, Boat engines...
Can be used as single lubricant in case of fleet composed of new & old generation engines.

PERFORMANCES

STANDARDS
ACEA E7 (Replaces E5 and E3)
API CI-4 / CH-4

APPROVALS
CUMMINS 20071 / 20072 / 20076 / 20077 / 20078,
MACK EO-N, MB-Approval 228.3, RVI RLD-2, VOLVO VDS-3,
KAMAZ approval (for EURO 3, EURO 4, EURO 5 ecological classes)

PERFORMANCES
CATERPILLAR ECF-2, Global DHD-1, MAN M 3275, MTU Type II

Also suitable for SCANIA, IVECO, DAF... when an ACEA E3/E5 lubricant is required.

The new standard Global DHD-1 is the result of requirements defined by European = ACEA, American = API and Japanese = JASO associations.
The new API CI-4 performance ensures protection and longevity of engines fitted with EGR systems:
- dispersant and anti-oxidation properties: protection against soot build-up and oil filter clogging.
- superior Anti-Wear level: bore polishing protection.
- superior detergent level: piston cleanliness and piston groove deposits control.
Anti-corrosion, Anti-rust, Anti-foam.

RECOMMENDATIONS

Drain interval: refer to the manufacturer recommendations, tune to your own use (engine type, service) and to diesel fuel sulfur content.
Can be mixed with synthetic or mineral oils.

PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Viscosity grade</td>
<td>SAE J 300</td>
</tr>
<tr>
<td>Density at 20°C (68°F)</td>
<td>ASTM D1298</td>
</tr>
<tr>
<td>Viscosity at 40°C (104°F)</td>
<td>ASTM D445</td>
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<tr>
<td>Viscosity at 100°C (212°F)</td>
<td>ASTM D445</td>
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<tr>
<td>Viscosity Index</td>
<td>ASTM D2270</td>
</tr>
<tr>
<td>Flash point</td>
<td>ASTM D92</td>
</tr>
<tr>
<td>Pour point</td>
<td>ASTM D97</td>
</tr>
<tr>
<td>TBN</td>
<td>ASTM D2896</td>
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</table>

Viscosity grade 15W-40

TBN

10.5 mg KOH/g