



EVOLUTION

Premium Engine Oil

APPLICATIONS

High Performance
Engine Oil

- **EVOLUTION** is formulated as a long drain interval diesel engine oil meeting the performance category CI-4, among others. It has been developed to meet critical North America and European OEMs specifications, as well as ACEA E7/E5/E3 specification and Global DHD-1 specifications.
- **EVOLUTION** formula is designed suitable use in gasoline engine requiring API SL category products.

SPECIFICATIONS

International
specifications

OEMs

- API CI-4/CH-4/CG-4
- API SL
- ACEA E3-96#4/E5-02/E7-04
- GLOBAL DHD-1 Demo
- BM p228.3(PA)/MAN 3275 (PA)
- MTU Type II/ Volvo VDS-2/VDS-3
- JASO DH-1

ADVANTAGES

EVOLUTION is formulated to comply with the extended oil-change interval requirements. It has the following characteristics:

- Contributes to the reduction of both fuel consumption and emissions.
- Exceptional high temperature/high shear viscosity stability. This results in better bore-polishing protection and reduced engine scuffing, and hence extending engine life.
- Outstanding control of oxidation and thermal stability reduces sludge deposits to keep engines cleaner.
- High TBN reserves provide improved acid neutralization and corrosion protection.
- Excellent dispersants provides outstanding soot control in Exhaust Gas Recirculation (EGR) systems.
- Contains an optimum combination of the new ashless dispersant and dispersant polymer technology (Low SAP).

CHARACTERISTICS	METHODS	15W40
Density at 30°C, kg/m ³	ASTM D-1298	860
Viscosity at 40°C, cSt	ASTM D-445	110
Viscosity at 100°C, cSt	ASTM D-445	14
Viscosity Index	ASTM D-2270	140
Fash point (COC), °C	ASTM D-92	230
Pour point, °C	ASTM D-97	-30
Total base Number (TBN), mgKOH/g	ASTM D-2896	11

Above characteristics are indicative typical values