



Endurance SAE 15W-40

Multigrade engine oil

DESCRIPTION

HARTOL Endurance SAE 15W-40 is a universal multigrade engine oil for heavily loaded diesel engines of trucks, off-road and agricultural machinery operating in extreme conditions. The oil is formulated with an approved blend of additives and base oils, specifically chosen to provide high-performance characteristics, ensuring the oil can endure demanding conditions.

APPLICATION

HARTOL Endurance SAE 15W-40 is recommended for use in gasoline and diesel engines compliant with Euro 4 and Euro 5 environmental standards, equipped with or without turbochargers, in cars, vans, trucks, off-road and agricultural machinery. The oil has a special additive system enables its use with fuels containing relatively high sulfur content.

SPECIFICATIONS

- ACEA E7
- API CI-4/SL
- JASO DH-1
- Cat ECF-1-a/ECF-2
- Cummins CES 20077/20078
- Detroit Diesel 93K215
- Deutz DQC III-18
- DTFR 15B110
- Global DHD-1
- Mack EO-N/EO-M Plus
- MAN M 3275-1
- MB 228.3
- MTU Type 2
- Renault VI RLD-2
- Volvo VDS-3
- Allison C3, CAT TO-2
- ZF 04C / 04P / 07C / 07D / 21K

TYPICAL PROPERTIES

- Density at 15 °C, kg/l 0,873
- Viscosity -20 °C, mPa.s 5060
- Viscosity 40 °C, mm²/s 106,00
- Viscosity 100 °C, mm²/s 14,60
- Viscosity Index 142
- Flash Point COC, °C 228
- Pour Point, °C -33
- Total Base Number, mgKOH/g 11,1
- Sulphate Ash, % 1,43