



Energy SAE 10W-40

Multigrade engine oil

DESCRIPTION HARTOL Energy SAE 10W-40 is a universal multigrade engine oil specially designed for heavily loaded diesel engines of trucks, off-road and agricultural machinery operating in difficult conditions. The oil is based on officially approved formulations with the addition of a specially selected additive package and base oils, which in general provides high performance characteristics of the oil.

APPLICATION HARTOL Energy SAE 10W-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 is formulated with a special additive system that enables its use with fuels containing higher sulfur content, effectively preventing cylinder polishing (cylinder wear) in diesel engines.

SPECIFICATIONS

- ACEA E7, A3/B4
- 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
- MAN M 3275
- MB 228.3
- MTU Type 2
- Renault VI RLD-2
- Volvo VDS-3

TYPICAL PROPERTIES

- Density at 15 °C, kg/l 0,868
- Viscosity -20 °C, mPa.s 4910
- Viscosity 40 °C, mm²/s 87,70
- Viscosity 100 °C, mm²/s 13,70
- Viscosity Index 159
- Flash Point COC, °C 222
- Pour Point, °C -36
- Total Base Number, mgKOH/g 11,1
- Sulphate Ash, % 1,43