HARTOL



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

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