HARTOL



Highway SAE 5W-30

Multigrade engine oil

DESCRIPTION

HARTOL Highway SAE 5W-30 is a high-quality energy-saving diesel engine oil that combines the latest additive technology with special synthetic base oils. This engine oil offers the following key properties:

- High detergency, which prevents the formation of deposits in the engine.
- High dispersion ability, which prevents the formation of deposits and sediment.
- Reliable protection against wear, corrosion, and foaming.
- High and stable viscosity index.
- Low sulfate ash content.
- Extended oil change intervals.
- Helps reduce fuel consumption.

APPLICATION

HARTOL Highway SAE 5W-30 multigrade engine oil, classified under the "Low SAPS" group of oils, is designed to deliver outstanding fuel economy. It was primarily developed for heavy-duty diesel engines that operate under the most demanding conditions. The oil is suitable for Euro 5 and Euro 6 engines that utilize low-sulfur diesel fuel, whether equipped with diesel particulate filters and exhaust gas catalysts or not. Additionally, it is compatible with Volvo 13L Euro 6 Step D engines, which require the VDS-5 specification.

SPECIFICATIONS

- ACEA E4, E6, E7, E8, E9, E11
- API CK-4
- Deutz DQC IV-18 LA
- DTFR 15C110 (228.51) / 15C120 (228.52)
- Mack EOS 4.5
- MAN M 3677/M 3777
- Renault VI RLD-3
- Scania LDF-4
- Volvo VDS-4.5

- Cat ECF-3
- Cummins CES 20086
- DAF Extended Drain
- Detroit Diesel 93K222
- DTFR 15C100
- MAN M 3691
- MB 228.31/228.51/228.52
- MTU Type 3.1

TYPICAL PROPERTIES

•	Density at 15 °C, kg/l	0,862
•	Viscosity -20 °C, mPa.s	6300
•	Viscosity 40 °C, mm²/s	72,00
•	Viscosity 100 °C, mm ² /s	12,10
•	Viscosity Index	167
•	Flash Point COC, °C	212
•	Pour Point, °C	-48
•	Total Base Number, mgKOH/g	13,4
•	Sulphate Ash, %	0,96

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