



IPT International Petroleum Trading LTD  
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25335 Elmshorn  
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product certificate

TIPP-OIL HC SHPD Diesel 10W-40

Description of the

TIPP-OIL HC SHPD Diesel 10W-40 is a high-quality low-viscosity engine oil for year-round use in highly stressed naturally aspirated and turbo diesel as well as gasoline engines. It has excellent flow properties even at low temperatures. The rapid reaching of critical lubrication points ensures a considerable reduction in wear during the warm-up phase.

Selected active ingredients ensure maximum engine cleanliness even in short-distance traffic. TIPP-OIL HC SHPD Diesel 10W-40 enables extended oil change intervals according to manufacturer's instructions and high wear protection with low oil and fuel consumption.

Instructions for use

TIPP-OIL HC SHPD Diesel 10W-40 is ideally suited for use in mixed fleets and is used in engines with the specified specifications.

The operating instructions of the vehicle and engine manufacturers must be observed.

Quality Classification

specifications

Global DHD-1

ACEA A3/B4

JASO DH-1

ACEA E3/E5/E7

API CI-4/SL



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Recommendation:

Cummins CES 20077/20078 MB release 228.3

Licensed: API CI-4 MB release 229.1

Mack EO-N Renault VI RLD-2

MAN M 3275-1 Volvo VDS-3

TIPP-OIL HC SHPD Diesel 10W-40 has been tried and tested in practice in units with filling regulations:

Allison C-4 Deutz DQC III-10

Caterpillar ECF-2 MB 235.28

Caterpillar TO-2 MTU Type 2

Cummins CES 20076 Voith Retarder B

DAF VW 500 00/501 01/505 00

DDC 93K215

Features & Benefits

Very good detergent and dispersing properties

High oxidation and ageing stability

Protection against mirror surface formation

Good cold start properties

Extended oil change intervals protect natural resources



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#### Technical characteristics

Properties Data Unit Test according to

kinematic viscosity at 40°C 93.8 MM<sup>2</sup>/S DIN ISO 51562-2

kinematic viscosity at 100°C 14.2 MM<sup>2</sup>/S DIN ISO 51562-2

viscosity index 155 DIN ISO 2909

visual appearance YELLOWBROWN

density at 15°C 863 KG/M<sup>3</sup> DIN EN ISO 12185

Pour Point -39 CELSIUS ASTM D 7346

All data given are approximate values and are subject to the usual production fluctuations.

To the best of our knowledge, all data correspond to the current state of knowledge and our development. We reserve the right to make changes. All references to DIN standards are for product description purposes only and do not constitute a guarantee. In the event of any problems, request technical advice.

29.08.2018 02:00:10

