



IPT International Petroleum Trading LTD
Robert-Bosch-Strasse 12
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product certificate

TIPP-OIL FS Heavy Duty 5W-40

Description of the

TIPP-OIL Heavy Duty FS 5W-40 is a high-alloy engine oil with synthetic base oils and selected additives. It is ideally suited for commercial vehicles.

TIPP-OIL Heavy Duty FS 5W-40 guarantees a safe cold start at extremely low temperatures, especially with regard to the cold viscosity. Anti-wear properties and reduction of friction losses. Extended oil change intervals according to manufacturer's instructions.

Instructions for use

TIPP-OIL Heavy Duty FS 5W-40 is used in truck diesel engines with and without turbocharging. The operating instructions of the vehicle and engine manufacturers must be observed.

Quality Classification

specifications

ACEA E9/E7

API CJ-4

API SM

TIPP-OIL Heavy Duty FS 5W-40 is field-proven and tested in units with filling regulations:

Caterpillar ECF-2/ECF-3

Chrysler MS-10902

Cummins CES 20081

DDC 93K218/93K215/93K214



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Deutz DQC II-10 LA

Mack EO-O Premium Plus

MAN M 3575/M 3275

MB 228.31

MTU Type 1/Type 2

Renault VI RLD-3

Volvo VDS-4

Features & Benefits

Excellent temperature and viscosity behaviour
Best suitability for difficult operating conditions
Very good wear protection
Reduced evaporation tendency
Convincing detergent and dispersant properties
Good cold start properties
High oxidation stability Reduced fuel consumption

Technical characteristics

Properties Data Unit Test according to
kinematic viscosity at 40°C 90.3 MM²/S DIN ISO 51562-2
kinematic viscosity at 100°C 14.5 MM²/S DIN ISO 51562-2
viscosity index 166 DIN ISO 2909
visual appearance YELLOWBROWN
density at 15°C 852 KG/M³ DIN EN ISO 12185



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Pour Point -45 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.

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