



IPT International Petroleum Trading LTD  
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25335 Elmshorn  
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product certificate

TIPP-OIL Mid SAPS SHPD 10W-30

Description of the

TIPP-OIL Mid SAPS SHPD 10W-30 is a multigrade engine oil based on selected base oils and additives. It is ideally suited for truck diesel engines, also with turbocharging.

TIPP-OIL Mid SAPS SHPD 10W-30 meets the requirements of SAE class 10W-30. A good lubricating film is guaranteed even at high temperatures.

Instructions for use

TIPP-OIL Mid SAPS SHPD 10W-30 is especially recommended for engines with particulate filter. Extended oil change intervals according to manufacturer's instructions. The operating instructions of the vehicle and engine manufacturers must be observed.

Quality Classification

specifications

API SN

ACEA E9

API CK-4/CF

TIPP-OIL Mid SAPS SHPD 10W-30 is field-proven and tested in units with filling regulations:

Caterpillar ECF-2/ECF-3

Cummins CES 20081

DDC 93K218

Deutz DQC III-10 LA



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Ford WSS-M2C171-F1

MAN M 3575

MB 228.31

MTU Type 2.1

Renault VI RLD-3

Volvo VDS-4

Mack EO-O Premium Plus

#### Features & Benefits

Very stable and excellent viscosity-temperature behaviour

High oxidation stability

High safety reserves even under boundary lubrication conditions

Best suitability for difficult operating conditions

Very good cold start properties

Reduction of black sludge formation

Good shear stability

Suitable for catalytic converters

Excellent detergent and dispersant properties

#### Technical characteristics

Properties Data Unit Test according to

kinematic viscosity at 40°C 77.5 MM<sup>2</sup>/S DIN ISO 51562-2

kinematic viscosity at 100°C 12 MM<sup>2</sup>/S DIN ISO 51562-2

viscosity index 150 DIN ISO 2909



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visual appearance YELLOWBROWN

density at 15°C 865 KG/M<sup>3</sup> DIN EN ISO 12185

Pour Point -42 °C 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 case of any problems, please request technical advice.

26.07.2018 02:00:09

