



IPT International Petroleum Trading LTD  
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25335 Elmshorn  
Company registration number: HRB 13315 PI  
Sales tax identification number: DE313987910  
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product certificate

TIPP-OIL Mineral Hydraulic HLP 10

Description of the

TIPP-OIL Mineral Hydraulic HLP 10 is an optimally alloyed hydraulic oil. It has a high performance level and a wide application range within the entire industry. Mineral Hydraulic HLP 10 offers excellent wear protection under extreme loads. Mineral Hydraulic HLP 10 is characterized by good viscosity and temperature behaviour, high ageing resistance and reliable corrosion protection.

Application note:

Mineral Hydraulic HLP 10 is suitable for all industrial and mobile hydraulic systems of different types.

Specifications:

DIN 51 524, part 2

Tried and tested in practice in units with filling regulations:

AFNOR NFE 48 603 HM, Cincinnati Milacron P68 (HM-32), P69 (HM-68), Cincinnati Milacron P70 (HM-46), DENISON HF-1, HF-0, HF-2, FZG-Test A 8.3/90: 12th load stage, MIL-H 24 459, VDMA 24568/ ISO 15380, Vickers pump test

Properties:

High ageing resistance



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Extensive protection against wear, corrosion and foam formation

Neutrality towards sealing materials

Very stable and excellent viscosity and temperature behaviour

Properties Data Unit Test according to

kinematic viscosity at 40°C 10,000 MM<sup>2</sup>/S DIN ISO 51562-2

Viscosity index 117 DIN ISO 2909

Colour Yellow visual

Density at 15°C 841 KG/M<sup>3</sup> DIN EN ISO 12185

Pourpoint -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 the event of any problems, request technical advice.



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