



IPT International Petroleum Trading LTD  
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25335 Elmshorn  
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product certificate    TIPP-OIL HVLPD 32

#### Description of the

TIPP-OIL HVLPD 32 is a detergent hydraulic oil with a high viscosity index for use in a wide temperature range (multi-range hydraulic oil). HVLPD 32 is particularly characterised by good viscosity-temperature behaviour, high ageing resistance and reliable corrosion protection. HVLPD 32 also contains dispersing and detergent agents which ensure clean hydraulics at all times. These additives dissolve impurities, keep them suspended and thus enable the cleaning of dirty hydraulic systems. Any water ingress is emulsified and trouble-free operation of the hydraulic system is guaranteed.

#### Application note:

HVLPD 32 is mainly used in hydraulic systems which are exposed to strongly fluctuating operating temperatures, abrasion, dirt and water. HVLPD 32 is ideally suited for heavy-duty mobile (agricultural, forestry and construction machinery) and stationary (industrial plants, etc.) hydraulic systems.

#### Specifications:

DIN 51524 part 3

#### Tried and tested in practice in units with filling regulations:

AFNOR 48 603 HV, CETOP RP 91H-HV, DENISON HF-1, HF-0, HF-2, General Motors LH-04-1, General Motors LH-06-1, General Motors LH-15-1, ISO 6743/4-HV, Sperry Vickers 1-286-S, Sperry Vickers M-2950-S, US Steel 136



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Properties:

Reliable protection against corrosion even when absorbing moisture

Excellent wear protection

Extremely good detergent and dispersing properties

Good oxidation stability

Good air and water separation capacity thereby preventing foam formation

Very low yield point

Neutral to plastic seals

Properties Data Unit Test according to

kinematic viscosity at 40°C 33,100 MM<sup>2</sup>/S DIN ISO 51562-2

Viscosity index 163 DIN ISO 2909

Colour Yellow visual

Density at 15°C 855.0 KG/M<sup>3</sup> DIN EN ISO 12185

Pourpoint -27 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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