



IPT International Petroleum Trading LTD  
Robert-Bosch-Strasse 12  
25335 Elmshorn  
Company registration number: HRB 13315 PI  
Sales tax identification number: DE313987910  
**E-mailaddress:** [contact@tippoil.com](mailto:contact@tippoil.com)  
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product certificate

TIPP-OIL Hydraulic HVLP 46 0002-000244

Hydraulic HVLP 46 is a multi-grade hydraulic oil developed on the basis of specially selected base oils. Hydraulic HVLP 46 offers high wear protection even under extreme loads due to effective additives. Hydraulic HVLP 46 is particularly characterised by good viscosity and temperature behaviour and reliable corrosion protection.

Application note:

Hydraulic HVLP 46 is mainly used in hydraulic systems with strongly fluctuating operating temperatures. Hydraulic HVLP 46 is ideally suited for heavy-duty hydraulic systems, earthmoving machinery and agricultural machinery. It is favoured for strongly fluctuating operating temperatures and must not be used for hydraulic systems containing silver or silver-plated construction and operating elements.

Specifications

Other specifications

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

Properties:

Reliable protection against corrosion

Excellent wear protection

Stable viscosity index



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Very good oxidation stability

Good air and water separation capacity thereby preventing foam formation

Very low yield point

Neutral to sealing materials

Properties Data Unit Test according to

kinematic viscosity at 40°C 46.560 MM<sup>2</sup>/S DIN ISO 51562-2

Viscosity at 100°C 8.030 MM<sup>2</sup>/S DIN ISO 51562-2

Viscosity index 145 DIN ISO 2909

Colour Yellow visual

Density at 15°C 858.4 KG/M<sup>3</sup> DIN EN ISO 12185

Pourpoint -39 °C ASTM D 7346

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

To the best of our knowledge and belief, 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 problems, please request technical advice.



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