



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
Website: www.tippoil.com
Tel: +4923036728527

product certificate

TIP-OIL HLPD 46 0002-000250

Description of the

TIPP-OIL HLPD 46 is a detergent hydraulic oil and therefore has a great wetting and cleaning effect. HLPD 46 is designed on the basis of selected base oils with additives to prevent corrosion, wear and friction. HLPD 46 also contains dispersing and detergent agents which ensure a clean hydraulic system at all times. These additives dissolve impurities, keep them suspended and thus enable the cleaning of dirty hydraulic systems. The functional elements of a hydraulic system thus remain free of deposits and adhesions. Penetrating water quantities are emulsified and a trouble-free operation of the hydraulic system is guaranteed.

Application note:

HLPD 46 is used in hydraulics, in agriculture, construction machinery, cement factories, foundries, electric multiple disc clutches, as functional test oil, as running-in oil for aggregates and machines, in textile machines and in machine tools. HLPD 46 exceeds the requirements for hydraulic oils HLP according to DIN 51 524 part 2 for hydraulics.

Specifications

DIN 51 524, part 2

Tried and tested in practice in units with filling regulations:

Daimler Chrysler DBL 6721



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Properties:

High ageing resistance

Extensive protection against wear, corrosion and foam formation

Good air separation capacity

Neutrality towards sealing materials

Very stable and excellent viscosity and temperature behaviour

Exceptionally good detergent and dispersant properties

Excellent corrosion protection even when absorbing moisture

Ash and zinc free

Properties Data Unit Test according to

kinematic viscosity at 40°C 46,900 MM²/S DIN ISO 51562-2

Viscosity index 120 DIN ISO 2909

Colour Yellow visual

Density at 15°C 864.0 KG/M³ DIN EN ISO 12185

Pourpoint -36 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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