



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)  
**Website:** [www.tippoil.com](http://www.tippoil.com)  
Tel: +4923036728527

product certificate TIP-OIL HLPD 10

### **Description of the**

TIPP-OIL HLPD 10 is a detergent hydraulic oil and thus has a thorough network and cleaning effect. TIPP-OIL HLPD 10 is designed based on selected oils with additives to avoid corrosion, wear and friction.

TIPP-OIL HLPD 10 additionally contains dispersing and detergent ingredients, which always ensure clean hydraulics.

These additives loosen impurities and keep them suspended, enabling the dirt to be cleaned from the dirty hydraulic systems. The functional elements of a hydraulic system are therefore kept clean from sediment and adhesion. Seeping water is emulsified and ensures the operation of the hydraulic system remains trouble-free.

### **Instructions for use**

TIPP-OIL HLPD 10 is used in hydraulic systems, in agriculture, construction equipment, cement factories, foundries, electric multi-plate clutches, as a test oil, as a run-in oil for aggregates and equipment, in textile machinery and in machine tools.

TIPP-OIL HLPD 10 exceeds the requirements for hydraulic oils HLP according to DIN 51 524 Part 2 for hydraulics.

### **Quality classification**

Specification: DIN 51 524, Teil 2

HLPD 10 is tried and tested in practice in aggregates requiring adherence to manufacturers fluid specifications:

Daimler Chrysler DBL 6721



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)  
**Website:** [www.tippoil.com](http://www.tippoil.com)  
Tel: +4923036728527

## Features & Benefits

High resistance to aging

- Extensive protection against wear, corrosion and foaming
- Good viscosity-temperature characteristics
- Neutrality towards sealants
- Very stable and excellent viscosity and temperature behavior
- Exceptionally good detergent and dispersant properties
- Excellent corrosion protection even when absorbing moisture
- Contains no ash and no zinc

## Technical characteristics Properties

Data Unit Test according to

- kinematic viscosity at 40°C - 10,0 MM<sup>2</sup>/S DIN ISO 51562-2
- kinematic viscosity at 100°C - 2,73 MM<sup>2</sup>/S DIN ISO 51562-2
- Viscosity Index - 113 DIN ISO 2909
- Appearance - LIGHT YELLOW visually
- Density at 15°C - 828 KG/M<sup>3</sup> DIN EN ISO 12185
- Pour Point - -51 °C ASTM D 7346

All declared values are approximate and subject to standard production variations.

To the best of our knowledge all information reflects the current state of findings and our development. Subject to change. Any reference to DIN standards are solely for product description purposes and do not represent a guarantee. If problems arise, please consult a technician.

15.05.2019 02:01:19



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)  
**Website:** [www.tippoil.com](http://www.tippoil.com)  
Tel: +4923036728527

