

## HIGHTEC HLP-D 46

Detergent/dispersive, multi-purpose lubricating oil for hydraulics, industrial gears and bearings

### Description

HIGHTEC HLP-D 46 is a detergent hydraulic oil containing additives to prevent corrosion, wear and friction. HIGHTEC HLP-D 46 contains agents with detergent and dispersion properties that ensure clean hydraulics at all times. HIGHTEC HLP-D 46 is a multi-purpose lubricating oil with a high load-bearing capacity that improves performance in mixed-friction conditions, thus counteracting friction or frictional vibrations due to stick-slip. A special focus should therefore be placed on its good wear protection and cleaning properties as well as its good sludge carrying capacity. HIGHTEC HLP-D 46 exceeds the requirements concerning hydraulic oils in compliance with DIN 51524 Part 2 for hydraulics. The non-standardised designation HLP-D describes detergent hydraulic oils, where D provides an indication of the detergent properties.

### The quality of this product is equivalent to EU regulations

- DIN 51524, p. 2 (HLP)
- VDMA 24318
- SEB 181-222

### Benefits

- High level of wear protection
- Good detergent and dispersion characteristics
- Good corrosion protection
- Thermally stable
- Resistant to oxidation
- Good air separation ability and foaming behaviour
- Hydrolytic resistance

### Recommendation

- Machine tools, construction and textile machinery
- Run-in oil for units and machines
- Oil for functional tests
- Electrical multi-plate clutches
- Foundries
- Cement factories
- Hydraulics used in agriculture

### Notices

We recommend our special HLP-D-HVI hydraulic oils for gearboxes and hydraulics that operate outdoors throughout the year and have first-rate VT performance.

### Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0,876
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	46
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	6,9
Viscosity index	ASTM D-7042	-	105
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	220
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-27

The characteristics shown are typical of current production. This data cannot be constructed as a legally binding warranty or guaranty of certain product properties or of the suitability of the product for a specific application. ROWE products are continually improved. Therefore ROWE reserves the right to change all the technical data in this product information at any time without notice. All sales and deliveries shall be subject to our current General Terms and Conditions of Sale and Terms ([www.rowe.com.de](http://www.rowe.com.de)).

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