

## HIGHTEC HLP-D 46 HVI

Detergent/dispersive, multigrade hydraulic oil with a high viscosity index (VI) for hydraulics, industrial gears and bearings

### Description

HIGHTEC HLP-D 46 HVI is a detergent hydraulic oil containing additives to prevent corrosion, wear and friction. HIGHTEC HLP-D 46 HVI has a high viscosity index that facilitates use, even at colder external temperatures. HIGHTEC HLP-D 46 HVI contains agents that ensure clean hydraulics at all times. HIGHTEC HLP-D 46 HVI 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 be placed on its good wear protection and cleaning properties as well as its good sludge carrying capacity. HIGHTEC HLP-D 46 HVI exceeds the requirements concerning hydraulic oils in compliance with DIN 51524 Part 3. 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. 3 (HVLP)
- VDMA 24318
- SEB 181-222

### Benefits

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

### Recommendation

- Break-in oil, also for overseas exports in the event of wet deliveries
- Electrical multi-plate clutches
- Cement factories
- Construction machinery
- Hydraulics used in agriculture
- Generally employed for hydraulics in outdoor areas

### Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0,858
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	8,0
Viscosity index	ASTM D-7042	-	146
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	216
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-39

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).

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