# PRODUCT INFORMATION

## HIGHTEC HLP 46-S

Multi-purpose, semi-synthetic lubricating oil for hydraulics, industrial gears and bearings

### Description

HIGHTEC HLP 46-S is a hydraulic oil containing additives to prevent corrosion, wear and friction. HIGHTEC HLP 46-S contains agents that ensure clean hydraulics.

HIGHTEC HLP 46-S 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 46-S exceeds the requirements concerning hydraulic oils in compliance with DIN 51524 Part 2 for hydraulics.

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

- DIN 51524, p.1 and 2 (HL, HLP)
- ISO 6743/4 (HM); ISO 11158 (HM)
- AFNOR NF E 48-603 (HM)
- SS 155434
- VDMA 24318
- Vickers I-286-S

### Benefits

- High level of wear protection
- 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
- Break-in oil, also for overseas exports
- In the event of wet deliveries
- Electrical multi-plate clutches
- Foundries
- Cement factories
- Hydraulics used in agriculture

### Typical characteristics

| Property | Method | Unit | Value |
|---|---|---|---|
| Density at 15 °C | ASTM D-7042 | g/ml | 0.862 |
| Kinematic viscosity KV 40 | ASTM D-7042 | $mm^2/s$ | 46 |
| Flash point | ASTM D-92 / DIN EN ISO 2592 | °C | >210 |
| Pour point | ASTM D-97 / DIN EN ISO 3016 | °C | -21 |

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-oil.com).



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