

## HIGHTEC HLP 46 ZAF

Ash-free, zinc-free, multi-purpose lubricating oil for hydraulics, industrial gears and bearings

### Description

HIGHTEC HLP 46 ZAF is a hydraulic oil containing additives to prevent corrosion, wear and friction. In addition, it also demonstrates a low dirt holding capacity. Such oils tend to be more hydrolytically stable as well as zinc-free, non-alkaline and free of alkaline earth and therefore particularly low in ash.

HIGHTEC HLP 46 ZAF is a multi-purpose lubricating oil with a high load-bearing capacity and good wetting behaviour, which helps to improve performance in mixed friction conditions.

HIGHTEC HLP 46 ZAF exceeds the requirements concerning hydraulic oils in compliance with DIN 51524 Part 2 and SEB 181 222 and lubricating oils in compliance with DIN 51517 Part 3 and SEB 181 226 for circulation lubrication.

### Equivalent quality in accordance with EU-law as per

- DIN 51524, p. 2
- VDMA 24318
- SEB 181-222
- AFNOR E48 603 HM

### Advantages

- High level of wear protection
- Zinc-free and ash-free
- Good corrosion protection
- Thermally stable
- Resistant to oxidation
- Good air separation ability and foaming behaviour
- Hydrolytic resistance

### Recommendation

Machine tool oils with sensitive control hydraulics but also for other hydraulics as well as bearings and industrial gear requirements. We recommend our special HVI hydraulic oils with first-rate VT performance for industrial gears and hydraulics that operate outdoors throughout the year.



## Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.872
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	7,1
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	46
Viscosity index	ASTM D2270	-	112
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	230
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-30

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply ([www.rowe-oil.com](http://www.rowe-oil.com)).

