

## HIGHTEC HVLP 46 ZAF (HF-0)

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

### Description

HIGHTEC HVLP 46 ZAF (HF-0) is a hydraulic oil that contains additives to prevent corrosion, wear and friction. HIGHTEC HVLP 46 ZAF (HF-0) contains agents that ensure clean hydraulics.

HIGHTEC HVLP 46 ZAF (HF-0) has a high viscosity index that facilitates use, even at colder external temperatures.

HIGHTEC HVLP 46 ZAF (HF-0) 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 HVLP 46 ZAF (HF-0) exceeds the requirements concerning HLP hydraulic oils in compliance with DIN 51524 Part 3 for hydraulics.

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

- DIN 51524, part 2 and 3 (HLP, HVLP)
- ISO 6743/4 (HM, HV)
- Denison HF-0, HF-1, HF-2
- Cincinnati Machine P-68, P-69, P-70
- ISO 11158 (HM, HV)
- AFNOR NF E 48-603 (HM, HV)
- SS 155434; SEB 181 222
- U.S. Steel 126, 127 and 136

### Advantages

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

### Recommendation

Field of application: - 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	0.864
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	8,1
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	46
Viscosity index	ASTM D2270	-	149
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-39
Flash point COC	DIN ISO 2592	°C	>195

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)).

