

HIGHTEC HLP 46

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

Description

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

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

Equivalent quality in accordance with EU-law as per

- 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

Advantages

- 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	0.867
Kinematic viscosity KV 100	ASTM D-7042	mm ² /s	7
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	46
Viscosity index	ASTM D2270	-	110
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	230
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-30
Copper corrosion 100 A3	DIN 51759	Ranking	1
Steel corrosion, A=distilled water	DIN 51585	Ranking	0-A
FZG A/8.3/90 (min)	DIN 51354/2	SKS	11

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).

