

## HIGHTEC HLP 68

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

### Description

HIGHTEC HLP 68 is a hydraulic oil containing additives to prevent corrosion, wear and friction. HIGHTEC HLP 68 contains agents that ensure clean hydraulics.

HIGHTEC HLP 68 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 68 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    | 0.88  |
| Kinematic viscosity KV 40          | ASTM D-7042                 | mm²/s   | 68    |
| Kinematic viscosity KV 100         | ASTM D-7042                 | mm²/s   | 9     |
| Viscosity index                    | ASTM D-7042                 | -       | 106   |
| Flash point                        | ASTM D-92 / DIN EN ISO 2592 | °C      | 230   |
| Pour point                         | ASTM D-97 / DIN EN ISO 3016 | °C      | -27   |
| FZG A/8.3/90 (min.)                | DIN 51351/2                 | SKS     | 11    |
| Copper corrosion 100 A3            | DIN 51759                   | Ranking | 1     |
| Steel corrosion, A=distilled water | DIN 51585                   | Ranking | 0-A   |

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