

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.

Specifications

- 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	0.88
Kinematic viscosity KV 100	ASTM D-7042	mm²/s	9
Kinematic viscosity KV 40	ASTM D-7042	mm²/s	68
Viscosity index	ASTM D2270	-	106
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	230
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-27
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

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