

HIGHTEC CLP 460

High-performance industrial gearbox oil to meet the most stringent requirements

Description

HIGHTEC CLP 460 is formulated for use in high-performance gearboxes that need to transfer high intermittent and abruptly occurring loads. HIGHTEC CLP 460 is formulated with selected additives tailored to the requirements. Refined, paraffin-based oils are used as base oils that are characterised by a high oxidation stability, a good viscosity-temperature behaviour and good seal compatibility. A special focus should also be placed on their good wear protection and demulsifying properties, good thermal load capacity and high ageing stability. HIGHTEC CLP 460 reduces friction and thus the temperature level in gear drives subjected to high loads which in turn leads to a reduction in wear.

The quality of this product is equivalent to EU regulations

- DIN 51517, p. 3 (CLP)
- U.S. Steel 224
- SEB 181 226
- AGMA 250.04, 9005
- David Brown S1.53.101

Benefits

- Very high load carrying capacity
- High level of wear protection
- Good ageing stability
- High thermal load capacity
- Minimal tendency to foam
- Very good corrosion protection

Recommendation

HIGHTEC CLP 460 is recommended for use in all gears for which a CLP oil is prescribed by the manufacturer. HIGHTEC CLP 460 can also be used in mechanical industrial gears subjected to high loads such as bevel, worm, spur or double spur gears.

Notices

CLP oils with more stringent Bruggen requirements such as Bruggen from 60 are also available on request.

Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.905
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	460
Viscosity index	ASTM D-7042	-	96
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	270
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-15
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	>12

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