

# Product information

## Hydraulic Oil HLP 46 SG-Z

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### Description

High-performance hydraulic oil made from high-quality raffinates. Thanks to the high thermal stability of the base oils, reduces the aging process significantly even at elevated temperatures. This decisively helps reduce the formation of sludge, improves cleanliness and promotes the reliability of the hydraulic systems. Excellent oxidation resistance permits lengthy oil life (changing intervals). First class wear-protection technology is effective in high and even extreme load conditions. Offers good corrosion protection behavior even if water is present. Optimally protects the hydraulic components in all operating conditions.

### Specifications and approvals:

Hydrauliköl DIN 51524 Teil 2 HLP 46 • Hydrauliköl SEB 181 222 HLP 46 • ARBURG injection molding machines • Krauss Maffei injection molding machines • Engel Austria Spritzgussmaschinen • Putzmeister WN022521

### Technical data

ISO viscosity class	VG 46 DIN 51519
Density at 15 °C	0,860 g/cm <sup>3</sup> DIN 51757
Viscosity at 40 °C	46 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at 100 °C	6,9 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity index	105 DIN ISO 2909
Pour point	-30 °C DIN ISO 3016
Flash point	208 °C DIN ISO 2592
Demulgation characteristics at 54 °C	<= 30 min DIN ISO 6614
Air separation capacity	<= 10 min DIN ISO 9120
Foaming behavior at 24 °C	0/0 ml ISO 6247
Foaming behavior at 93.5 °C	75/0 ml ISO 6247
Foaming behavior at 24 °C after 93.5 °C	0/0 ml ISO 6247
Copper corrosion	1-125A3 DIN EN ISO 2160



### Technical data

Neutralization number	0,5 mg KOH/g DIN 51558 T1
Oxide ash	0,16 g/100g DIN EN ISO 6245
Sulfate ash	0,17 g/100g DIN 51575

### Areas of application

For stationary and mobile applications in hydraulic systems in construction, forestry and agricultural machinery as well as industrial machinery and machine tools such as injection molding machines, punching machines, presses, excavators, etc. in which extreme pressure loads are the norm. Can be used in the most common pump systems in hydraulic systems thanks to the good material compatibility. Can be used with all mineral-oil-compatible sealing materials and coatings.

### Application

The specifications and instructions from the machine and plant manufacturer must be followed. Full effectiveness only when used unmixed.

### Available pack sizes

20 l Canister plastic	3298 D-GB
60 l Drum sheet metal	3299 D-GB
205 l Drum sheet metal	4217 D-GB
1000 l Deposit container	4403 D-GB

**Our information is based on thorough research and may be considered reliable, although not legally binding.**