

Hydraulic Oil HLP 46

Description

High-performance hydraulic oil made from high-quality raffinates. Thanks to the high thermal stability of the base oils, the aging process is significantly reduced 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). The outstanding wear-protection technology is effective in both low and high load conditions. Good corrosion protection behavior even if water is present. The hydraulic components are thus optimally protected in all operating conditions.

Properties

- outstanding thermal stability
- outstanding corrosion protection
- highest thermal stability
- excellent wear resistance
- does not attack common sealing materials
- high lubrication reliability

Specifications and approvals:

Hydrauliköl SEB 181 222 HLP 46 • Hydrauliköl DIN 51524 Teil 2 HLP 46

Technical data

| | |
|---|--------------------------------------|
| ISO VG | VG 46 DIN 51519 |
| Density at 15 °C | 0,860 g/cm ³ DIN 51757 |
| Viscosity at 40 °C | 46 mm ² /s DIN 51562 |
| Viscosity at 100 °C | 6,75 mm ² /s DIN 51562 |
| Viscosity index | 100 DIN ISO 2909 |
| Pour point | -27 °C DIN ISO 3016 |
| Flash point | 232 °C DIN ISO 2592 |
| Demulgation characteristics at 54 °C | <= 30 min DIN ISO 6614 |
| Foaming behavior at 24 °C | 30/0 ml ISO 6247 |
| Foaming behavior at 93.5 °C | 50/0 ml ISO 6247 |
| Foaming behavior at 24 °C after 93.5 °C | 30/0 ml ISO 6247 |



Technical data

| | |
|--|---|
| Air separation capacity | <= 10 min DIN ISO 9120 |
| Corrosion effect on steel | 0-B DIN ISO 7120 |
| Corrosion effect on copper | 1-125 A3 DIN EN ISO 2160 |
| Neutralization number | 0,5 mg KOH/g DIN 51558 T1 |
| Neutralization number after 1000 h | < 2 mg KOH/g DIN 51587 |
| Oxide ash | 0,16 g/100g DIN EN ISO 6245 |
| Sulfate ash | 0,17 g/100g DIN 51575 |
| FZG gear rig test, standard test A/8, 3/90 | Schadenskraftstufe >10, Spez.Gew.Änderung <0,27 mg/KWh DIN 51354 |
| Color number (ASTM) | L1,5 DIN ISO 2049 |
| Cleanliness level | 19/17/14 ISO 4406 |

Areas of application

For stationary and mobile applications in hydraulic systems in construction, forestry and agricultural machinery such as excavators, tractors etc., hoists, industrial machinery and machine tools, wood splitters, lifting platforms and presses, etc. Thanks to its good compatibility with materials, this LIQUI MOLY hydraulic oil can be used in the most common pump systems in hydraulic systems. This hydraulic oil can also be used with all mineral-oil-compatible sealing materials and coatings.

Application

The specifications and instructions from the unit or vehicle manufacturer must be followed. Optimum effectiveness is only possible when the product is used unmixed.

Product information

PI 36/17/02/2020



Hydraulic Oil HLP 46

Available pack sizes

| | |
|------------------------|------------|
| 1 l Can plastic | 1117 |
| | D |
| 20 l Canister plastic | 1110 |
| | D-GB-I-E-P |
| 60 l Drum sheet metal | 1111 |
| | D-GB |
| 205 l Drum sheet metal | 1112 |
| | D-GB |
| 1 l Bulk goods | 1120 |
| | D-GB |

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