

Hydraulic Oil Arctic HVLP 46

Description

High-performance hydraulic oil made from high-quality raffinates. Because of the high thermal stability of the base oils, the aging process is significantly reduced even at elevated temperatures. This decisively helps to reduce the formation of sludge, improve cleanliness, and promote the reliability of the hydraulic systems. Excellent oxidation resistance permits extended oil change intervals. The outstanding wear-protection technology is effective in both, low and high load conditions. Specially selected base oils and additives ensure systems run reliably, even at very low external temperatures, and provide consistent viscosity at large temperature fluctuations and a swift and precise response of the hydraulic system. Maintains good corrosion protection behavior even if water is present. The hydraulic components are thus optimally protected in all operating conditions.

Properties

- prevents foam formation
- excellent wear resistance
- good corrosion protection
- prevents aging
- excellent low temperature behavior
- excellent viscosity/temperature properties

Approvals

Hydrauliköl DIN 51524 HVLP 46

Technical data

ISO viscosity class	VG 46 DIN 51519
Density at 15 °C	0,86 g/cm ³ DIN 51757
Viscosity at 40 °C	46 mm ² /s DIN 51562
Viscosity at 100 °C	9,1 mm ² /s DIN 51562
Viscosity index	184 DIN ISO 2909
Pour point	<= -48 °C DIN ISO 3016
Flash point	176 °C DIN ISO 2592
Air separation capacity	10 min DIN ISO 9120
Foaming behavior at 24 °C after 93.5 °C	60/0 ml ISO 6247
Foaming behavior at 24 °C	20/0 ml ISO 6247



Technical data

Foaming behavior at 93.5 °C	60/0 ml ISO 6247
Demulgation characteristics at 54 °C	<= 30 min DIN ISO 6614
Corrosion effect on copper	1-125 A3 DIN 51759
Neutralization number	1 mg KOH/g DIN 51558 T1
Sulfate ash	0,19 g/100g DIN 51575
Oxide ash	0,21 g/100g DIN EN ISO 6245
Cleanliness level	19/17/14 ISO 4406
Color number (ASTM)	L 3,0 DIN ISO 2049

Areas of application

Specially for mobile applications in hydraulic systems in construction, forestry and agricultural machinery such as excavators, tractors etc., which are also used in very low external temperatures and where high temperature fluctuation cycles are the norm. Due to its good compatibility with materials, this LIQUI MOLY hydraulic oil can be used in the most common pump systems in hydraulic units. This hydraulic oil can also be used with all mineral-oil-compatible sealing materials and coatings.

Available pack sizes

20 l Canister plastic	6947 D-GB
60 l Drum sheet metal	6967 D-GB
205 l Drum sheet metal	6957 D-GB

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