Product information
Hydraulic Oil HVLP 46

PI 45/08/15/2026

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 allows oil to be used for longer periods (changing intervals). The outstanding wear-protection technology is effective in both low and high load conditions. **Special additives guarantee uniform viscosity and a rapid and exact response from the hydraulic system even under significant temperature fluctuations.** Good corrosion protection behavior even if water is present. This ensures that the hydraulic components are optimally protected in all operating conditions.

Properties

- high resistance to aging
- friction and wear reducing
- excellent viscosity/temperature properties
- assures a high degree of lubricating action on all moving components in the hydraulic brake circuit
- wide operating temperature range
- prevents foam formation

Specifications / Approvals

Hydrauliköl DIN 51524 Teil 3 HVLP 46

LIQUI MOLY recommends this product for vehicles or assemblies for which the following specifications or original spare part numbers are required:

Schwing-Stetter

Technical data

ISO viscosity class	46 DIN 51519
Density at 15 °C	0,86 g/cm³ DIN 51757
Viscosity at 40 °C	46 mm²/s ASTM D 7042-04
Viscosity at 100 °C	8,8 mm²/s ASTM D 7042-04
Viscosity index	174 DIN ISO 2909
Pour point	-39 °C DIN ISO 3016
Flash point	220 °C DIN ISO 2592



Technical data

Demulgation characteristics at 54 °C	<= 30 min DIN ISO 6614
Air separation capacity	4 min DIN ISO 9120
Foaming behavior at 24 °C	< 150/0 ml ISO 6247
Foaming behavior at 93.5 °C	< 75/0 ml ISO 6247
Foaming behavior at 24 °C after 93.5 °C	< 150/0 ml ISO 6247
Copper corrosion	1-100 A3 DIN EN ISO 2160
Neutralization number	1 mg KOH/g DIN 51558 T1
Neutralization number after 1000 h	< 2 mg KOH/g DIN 51587
Shear stability, viscosity loss at 40 °C after 250 cycles	6,5 % DIN 51382
Oxide ash	0,19 g/100g DIN EN ISO 6245
Sulfate ash	0,21 g/100g DIN 51575
Cleanliness level	19/17/14 ISO 4406
FZG gear rig test, standard test A/8, 3/90	Schadenskraftstufe 11, Spez.Gew.Änderung <0,27 mg/KWh DIN 51354 Teil 2
Color number (ASTM)	L 1,5 DIN ISO 2049

Areas of application

Specially for mobile applications in hydraulic systems in construction, forestry and agricultural machinery such as excavators, tractors, etc. where high temperature fluctuation cycles are the norm. Thanks to its good compatibility with materials, this LIQUI MOLY hydraulic oil can be used in the most common pump systems in hydraulic systems. Furthermore, this hydraulic oil can also be used with all mineral-oil-

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compatible sealing materials and coatings.

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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.

Available pack sizes

5 l Canister plastic	4106 DE
20 l Canister plastic	1116 DE-EN-ES-FR-IT-PT
60 l Black plate barrel	4712 DE-EN-ES-FR-IT-PT
205 l Black plate barrel	4713 DE-EN-ES-FR-IT-PT

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

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