Product information
Hydraulic Oil HLP 32

PI 32/09/16/2025



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. This ensures that the hydraulic components are optimally protected in all operating conditions.

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

Specifications / Approvals
Hydrauliköl DIN 51524 Teil 2 HLP 32

Technical data

ISO viscosity class	VG 32 DIN 51519
Density at 15 °C	0,875 g/cm³ DIN 51757
Viscosity at 40 °C	32 mm²/s ASTM D 7042-04
Viscosity at 100 °C	5,4 mm²/s ASTM D 7042-04
Viscosity index	102 DIN ISO 2909
Pour point	-30 °C DIN ISO 3016
Demulgation characteristics at 54 °C	10 min DIN ISO 6614
Air separation capacity	<= 5 min DIN ISO 9120
Flash point	220 °C DIN ISO 2592
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
Corrosion effect on steel	0-B DIN ISO 7120

Technical data

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 11, Spez.Gew.Änderung <0,27 mg/KWh DIN 51354
Color number (ASTM)	L 1,0 DIN ISO 2049

Areas of application
For stationary and mobile use in hydraulic systems fitted in construction, forestry and agricultural machinery such as excavators, tractors, etc., joists, industrial 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. Furthermore, 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.

Available pack sizes

1 l Canister plastic	23191 DE
20 l Canister plastic	1107 DE-EN-ES-IT-PT
60 l Black plate barrel	1108 DE-EN

LIQUI MOLY GmbH
Jerg-Wieland-Str. 4
89081 Ulm-Lehr

Phone: +49 (0)731/1420-0
Fax: +49 (0)731/1420-82
e-mail: info@liqui-moly.de

Technical hotline: +49 (0)731/1420-871
www.liqui-moly.com

Product information
Hydraulic Oil HLP 32

PI 32/09/16/2025

Available pack sizes

205 l Black plate barrel	1109 DE-EN
1 l Bulk goods	1106 DE

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

LIQUI MOLY GmbH
Jerg-Wieland-Str. 4
89081 Ulm-Lehr

Phone: +49 (0)731/1420-0
Fax: +49 (0)731/1420-82
e-mail: info@liqui-moly.de

Technical hotline: +49 (0)731/1420-871
www.liqui-moly.com