



KROSS

Empowering Oil



HYDRO HLP 46

High quality, mineral, multigrade, hydraulic oil with extreme pressure properties. It is suitable for severe operating conditions and protects equipment against wear and corrosion. Provides excellent performance characteristics, good anti-foaming properties, extends filter life and oil change intervals, prevents system failures and helps reduce operating costs by saving downtime.

PERFORMANCE LEVEL

- ALTA
- Arburg
- Automa
- Avermann
- AIST 126/ 127
- ASTM D6158 HM
- Battenfeld
- Bosch Rexroth RDSE 90235/ 90245
- CMC-Texpan
- Danieli 0.000.001
- Denison HF-0/ HF-1/ HF-2
- Dieffenbacher
- DIN 51524-2 HLP
- Duplomatic
- Eaton Vickers E-FDGN-TB002-E
- Eickhoff
- Engel
- FELUWA Pumpen
- Ferrit
- Fives Cincinati P-70
- GB 11118.1-2011
- GM LS-2
- Haitian
- HUSKY HS 207
- HYDAC International
- ISO 11158 (HM)/ 6743-4-HM
- JCMAS HK/ P041 HK
- Kopex Machinery
- Krauss Maffei Berstorff
- Palfinger
- SAE MS 1004
- SEB 181222
- Stork IMM
- ThyssenKrupp Industrial Solutions
- TMT
- UNILOY MALACRON
- VADMA 24318-HLP
- VOITH TURBO
- WOOJIN SELEX
- ZAO "Nizhnevartovskremservis"
- JSC "Volgogradneftemash"
- OAO "Shakhtinsky Plant Hydraulic"
- OOO "Nasosy Ppd" / "Severyanka"
- JSC "AVTOVAZ"
- OAO "Tyazhpresmash"
- Failure load level DIN ISO 14635-1 A/8,3/90-M:>10

APPLICATIONS

KROSS HYDRO HLP 46 is recommended for use in hydraulic drives, lifting systems and presses. It can also be used as gear oil, as circulating oil for simple and roller bearings or in screw compressors, according to the instructions in the vehicle technical book.

CHARACTERISTICS

Test	Unit	Method	Average value
Density at 15°C	kg/m ³	ASTM D 7042	876,3
Kinematic viscosity at 40 °C	mm ² /s	ASTM D 7042	44,2
Kinematic viscosity at 100 °C	mm ² /s	ASTM D 7042	6,66
Viscosity index	--	ASTM D 7042/ SR ISO 2909	103
Demulsification time for 40-37-3 ml	mintues	ASTM D 1401/ STAS 56, met. II	10
Extreme Pressure Properties <i>Wear spot diameter (1500 rpm, 200N, 100 min)</i>	--	ASTM D 2783/ STAS 8618	0,4
Foaming characteristics: tendency-stability	24 °C	ASTM D 892	10-0
Foaming characteristics: tendency-stability	93,5 °C	ASTM D 892	30-0
Foaming characteristics: tendency-stability	24 °C, after det. at 93,5	ASTM D 892	10-0
Pour point	°C	ASTM D 97/ SR 13552	-28

PACKAGING

