

POWEROIL HYDROL HLP

ANTIWEAR HYDRAULIC OILS, EXTRA HEAVY DUTY

POWEROIL HYDROL HLP oils are high performance premium grade hydraulic oils formulated from highly refined base oils and high performance additive package for excellent lubrication and anti-wear properties. They also possess superior water separation and filterability characteristics

PERFORMANCE BENEFITS

- Excellent anti-wear performance reduces wear Protects systems using various metallurgy and reduces the cost of replacement of parts
- Good oxidation and thermal stability provides long oil & equipment life. Extends Filter life
- Good water tolerance protects systems where small quantities of moisture are present Readily separates large quantity of water
- Excellent hydrolytic stability- leading to higher product life and consistence performance
- Provides superior long term protection against rust & corrosion
- Ensures overall problem free performance

APPLICATION

- Suitable for use in industrial machinery operating under critical conditions.
- Recommended for lubrication of screw compressors, vacuum pumps, mining machinery and machine tools where EP types of oils are required. These are specially recommended for sophisticated high performance electro-hydraulic of numerically controlled systems.
- Designed for use in most Industrial system, which requires high level of anti-wear protection.

PERFORMANCE STANDARDS

BIS: 10522-1983 (Reaffirmed 2019) and BIS: 11656-1986 (Reaffirmed 2018)

DIN – 51524 –Part 2

Vickers M-2950 S

Cincinnati Milacron P-68, P-69 & P-70

Denison HF- 0, HF-1 & HF-2 / USS 127

Bosch Rexroth RE 90220-01

APPROVALS

- Approved by Fives Cincinnati (Poweroil Hydrol HLP 46/HLP 68) for use in their machinery
- Approved by Bosch Rexroth (RE 90220-01) For their Axial piston unit (Poweroil Hydrol HLP 32/HLP 46/HLP 68)

TYPICAL CHARACTERISTICS

PROPERTIES /KEY TESTS	POWEROIL HYDROL HLP			
	32	46	68	100
ISO VG	32	46	68	100
Colour (ASTM)	< 1	< 1	< 1	< 1.5
Kinematic Viscosity @ 40°C, cSt	31	46	68	95
Viscosity Index, Min.	105	105	105	105
Flash point, COC, °C, Min.	220	230	230	240
Pour point, °C Max.	-15	-15	-12	-12
Rust Test (D-665)	Pass	Pass	Pass	Pass
Steel corrosion test- DIN 51585	(0-A)	(0-A)	(0-A)	(0-A)
FZG gear failure load stage	12	12	12	12

The above properties are typical values and do not constitute specification of the product