

POWEROIL HYDROL HLP PRO ZNF EXTRA PROTECTION NEXT GENERATION ZINCE FREE ASHLESS OILS

POWEROIL HYDROL HLP PRO ZNF are blended with a unique Zinc free/ Ashless Additive technology to meet stringent thermal stability and oxidation requirements of modern hydraulic systems. Meets improved and latest filterability/ Pump Wear requirements as specified by various equipment manufacturer/OEM.

“Zinc free” technology permits its use in automated machine tools and mobile and stationary application that have stringent filterability requirements.

PERFORMANCE STANDARDS:

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

ISO 11158 (HM)

DIN 51524 Part 2 (HM)

Vickers Eaton M-2950 S and I-286-S3

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

Parker (Denison) HF- 0, HF-1, HF-2(HM) requirement

CHARACTERISTICS	POWEROIL HYDROL HLP PRO ZNF	
	46	68
ISO VG	46	68
Kinematic Viscosity @ 40°C, cSt	46	67
Viscosity Index, Min.	115	110
Flash point, COC, °C, Min.	230	232
Pour point, °C Max.	-15	-15
Rust Test (D-665)	Pass	Pass
Steel corrosion test- DIN 51585	Pass	Pass
FZG gear failure load stage	12 th	12 th

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

APPLICATION:

- Recommended for service in a wide range of hydraulic operating systems. They meet industry demand for universal type hydraulic media suitable for use in systems having high pressures and high outputs.
- Recommended for systems having Vane or Axial pumps, Micro- filtration units , Automated machine tools with high pressure, high output etc. Also recommended as general hydraulic oils in industrial plants and mobile equipments requiring premium anti-wear hydraulic oils.

PERFORMANCE BENEFITS:

- Excellent oxidation stability
- Improved cleanliness level due to Zinc free additive package
- Excellent filterability even when contaminated with water.
- Outstanding demulsibility characteristics.
- Capable of extending oil drain intervals.
- Good sludge and particulate control
- Improved protection of critical components with tight tolerances
- Superior wear protection for maximum equipment life
- Environmentally stable products.