Industrial Lubricants

HydraMax HLP

Hydraulic Oils
HLP

Description / Application:

These are high quality mineral-oils based Hydraulic Oils formulated to meet the requirements of all types of hydraulic equipment requiring the use of rust and oxidation inhibited as also anti-wear oils. They are blended from selected base stock and special additives to give superior oxidation and thermal stability, excellent demulsibility and exceptional load-carrying capacity.

Properties

- Outstanding oxidation and thermal stability
- Excellent demulsibility
- Very good protection against rust and corrosion
- Very good anti-wear properties
- Good filterability in presence of water

Performance Standards:

- DIN 51524 Part 2 for HLP Oils
- Denison HF-O
- Eaton Vickers M-2950S
- Cincinnati Machine Thermal Stability

Typical Characteristics:

	Test Method	32	46	68	100	220
Density at 15 deg C, Kg/ L	ASTM D 1298	0.875	0.878	0.88	0.886	0.892
Flash Point COC, deg C	ASTM D 92	220	220	235	245	250
Kinematic Viscosity at 40 deg C, cSt	ASTM D 445	32	46	68	100	220
Kinematic Viscosity at 100 deg C, cSt	ASTM D 445	5.2	6.75	8.8	11.7	18.0
Viscosity Index	ASTM D 2270	98	98	97	96	95
Pour Point, deg C	ASTM D 97	-30	-30	-30	-30	-18
Copper Corrosion – Rust Protection (B)	ASTM D 130	1B	1B	1B	1B	1B
FZG Gear Test –A/8.3/90 deg C	IP34/DIN 51354	10	10	10	10	10

The above figures are typical of blends with normal production tolerance and do not constitute a specification.