K1 Lube Hydraulic HM

Premium Performance Antiwear Hydraulic Fluid

ISO VG 10, 32, 46, 68, 100, 150, 220



DESCRIPTION

K1 Lube Hydraulic HM is a high-performance anti-wear hydraulic fluid formulated with high quality base fluids and additives. It can be used for a relatively long period of time compared to other anti-wear hydraulic oils because the system can be efficiently maintained with excellent cleanliness and excellent filtration.

APPLICATIONS

- Industrial hydraulic equipments (especially, specified to use hydraulic fluid whose flash temperature exceeds 250 degree of Celsius)
- Plastic injection molding machines
- Marine deck equipment, steering gears, bow thrusters and automatic controls
- Enclosed gears operating under moderate load conditions
- Industrial circulating systems where a rust and oxidation inhibitor or anti-wear oil is required

PERFORMANCE STANDARDS

- ISO 11158 (HM),
- Eaton Vickers M-2950-S/I-286-S,
- JCMAS HK
- US Steel 127
- Denison HF-0 (Hybrid Pump)
- GM LS-2/LH-03/LH-04/LH-06
- DIN 51524 PART II
- Cincinnati Machine P68/P69/P70

CUSTOMER BENEFITS

Wide Temperature Application

Excellent oxidation stability prevents oil thickening and deposit formation in service period without the unscheduled hydraulic oil changes.

Longer Equipment Life

Special anti-wear additives keep the tribofilm strong even under high loads, protecting the surface and reducing wear.

Reduced Downtime

Effective rust and oxidation inhibitors prevent varnishes and sludges from oil breakdown which can damage equipment surfaces & seals and the filter from clogging prematurely. In addition, high oxidation stability prevents oil thickening and deposit formation during use.

Trouble-Free Operation

Excellent hydrolytic stability and water separation properties provide excellent filterability even in the presence of water contamination. Excellent anti-foam and air release properties ensure smooth operation and system efficiency.

KEY PROPERTIES

ISO VG	10	32	46	68	100	150	220
Kinematic Viscosity,mm²/s@40˚C	10	32	46	68	100	155	220
Kinematic Viscosity,mm²/s@100˚C	2.7	5.4	6.8	8.8	11.5	15.4	19.2
Viscosity Index	104	104	99	102	102	100	98
Pour Point ˚C	-57	-35	-37	-35	-28	-24	-20
Flash Point ˚C	178	218	228	238	258	266	266
Specific gravity	0.838	0.863	0.868	0.874	0.878	0.883	0.887
Package (Liters)	20, 200	20, 200	20, 200	20,200	200	200	200