

# 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, mm <sup>2</sup> /s @ 40°C	10	32	46	68	100	155	220
Kinematic Viscosity, mm <sup>2</sup> /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)	18,20,200	18,20,200	18,20,200	20,200	200	200	200