

# K1 Lube Hydraulic HVZ

*Premium Performance Wide Temperature Range Antiwear Hydraulic Fluid*

ISO VG 46



## DESCRIPTION

K1 Lube Hydro HVZ is a premium quality, shear stable, multi-viscosity, anti-wear hydraulic fluid, designed for use in hydraulic systems subjected to wide variations in ambient and operating temperatures and severe load for very high discharge pressure.

## APPLICATIONS

- Industrial hydraulic equipment subject to wide variation in temperatures
- Hydraulics of mobile, construction and agricultural equipment
- Industrial hydraulic systems with vane, gear or piston pumps
- Fork-lift trucks
- 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 antiwear oil is required

## PERFORMANCE STANDARDS

- ISO 11158 (HV),
- Eaton Vickers I-286-S, M-2950-S,
- ASTM D6158 (HV),
- Bosch Variable Volume vane pump,
- SAE MS 1004 (HV),
- US steel 127,
- DIN 51524 PART III (HV),
- GM LS-2,
- Denison HF-0, HF-1, HF-2,
- Five Cincinnati P68, P70

## CUSTOMER BENEFITS

### Wide temperature application

Shear stable, multi-viscosity characteristics reduce the risk of breakdown in high pressure/high load hydraulic systems which operate over a wide temperature range.

### Longer equipment life

Special anti-wear additive package reduces wear by protecting

surfaces when load causes breakdown of the lubricant film under severe load for very high discharge pressure.

### Reduced downtime

- Effective rust and oxidation inhibitor system prevents
- the production of abrasive particles from rust & deposits
- varnishes and sludges from oil breakdown which can damage equipment surfaces & seals
- filters being blocked prematurely

### Trouble-free operation

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

### Extended oil service life

High oxidation stability resists oil thickening and deposit formation in service, eliminating the need for unscheduled change of hydraulic fluid.

## KEY PROPERTIES

ISO VG	46
Kinematic Viscosity, mm <sup>2</sup> /s @ 40°C	32.3
Kinematic Viscosity, mm <sup>2</sup> /s @ 100°C	6.4
Viscosity Index	150
Pour Point °C	-40
Flash Point °C	244
Specific gravity	0.843
Package (Liters)	20