K1 Lube Hydraulic HV

Top Performance Wide Temperature Range Antiwear Hydraulic Fluid

ISO VG 15, 22, 32, 46, 68



DESCRIPTION

K1 Lube Hydraulic HV is a premium quality, shear stable, multi-K1 Lube Hydraulic HV is a premium quality, shear-stable, anti-wear hydraulic fluid designed for use under a wide temperature range because it has a high viscosity index. It is suitable for a variety of hydraulic power applications such as mobile and exterior equipment operating in harsh conditions where the contamination and the water may enter.

APPLICATIONS

- Industrial hydraulic equipment subject to wide variation in temperatures
- Hydraulic Systems in mobile, construction and agricultural equipment
- Industrial Hydraulic systems with vane, gear or piston pumps
- Fork-lift trucks
- Enclosed gears operating under moderate load conditions
- Industrial circulating systems where a rust and oxidation inhibitor or antiwear oil is required

PERFORMANCE STANDARDS

- Bosch Rexroth RDE 90235
- Parker HF-0/1/2
- Eaton E-FDGN-TB002-E
- Fives P68/P69/P70
- DIN 51524-2/3
- ISO 11158
- GB 11118.1
- ASTM D6158
- SAE MS 1004
- JCMAS P041 HK
- GM LS-2
- AIST 126/127
- SEB 181222

CUSTOMER BENEFITS

Wide Temperature Application

The properties about high shear stability and oxidation stability reduce the failure in high pressure and highly loaded hydraulic systems operating over a wide temperature range.

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	15	32	46	68
Kinematic Viscosity, mm^2/s @ 40°C	15.8	32.3	46.6	69.3
Kinematic Viscosity, mm^2/s @ 100°C	3.9	6.4	8.2	11.1
Viscosity Index	148	150	152	151
Pour Point °C	-54	-40	-33	-39
Flash Point °C	208	244	250	256
Specific gravity	0.835	0.843	0.849	0.858
Package (Liters)	20, 200	20, 200	20, 200	20, 200