

K1 Lube Turbine

High Performance Turbine Oil

ISO VG 32, 46



DESCRIPTION

K1 Lube Turbine is a high-performance turbine oil that satisfies various international specifications and turbine manufacturers' specifications. By using an optimal combination of high-quality base oil, antioxidants, rust inhibitors, corrosion inhibitors, and anti-foaming agents, it provides stable and efficient operation in the general circulation and lubrication systems of various turbines (power plant, manufacturing plant, large vessels, etc.), turbo compressors, and machines.

APPLICATIONS

- Steam and hydraulic turbines operating under all service conditions
- Centrifugal, rotary and reciprocating compressors, turbo-blowers and centrifugal pumps, requiring a rust and oxidation inhibited oil (not recommended for use in breathing air compressors)
- Hydroelectric turbines
- Other applications where high quality rust and oxidation inhibited oils are required.

PERFORMANCE STANDARDS

- DIN 51515, PART I (L-TD), PART II (L-TG),
- CEEB Standard 207001
- Siemens TLV 9013 04/01
- Brown Boveri HTGD 90117
- British Standard BS489, U.S. Steel 120
- General Electric GEK 32568 A/C
- Westinghouse Electric Corp
- MIL-L-17672D
- Alstom HTGD 90 117 V0001 S

CUSTOMER BENEFITS

Extended Oil Service Life

High oxidation stability prevents oil thickening and deposit formation during use without the need for unscheduled turbine oil changes.

Longer Equipment Life

Good air release minimizes lubrication film breakdown and malfunction in oil circulation pumps.

Trouble-Free Operation

Good water separation characteristic ensures smooth operation and system efficiency by preventing rust and corrosion in key machine elements.

KEY PROPERTIES

SAE Grade	32	46
Kinematic Viscosity, mm ² /s @ 40°C	33.2	46.5
Kinematic Viscosity, mm ² /s @ 100°C	5.8	7.8
Viscosity Index	129-	129
Pour Point °C	37	-31
Flash Point °C	242	245
Package (Liters)	200	200