

K1 Lube Gear EP

*Extreme Pressure
Industrial Gear Oil*

ISO VG 100, 150, 220, 320, 460



DESCRIPTION

K1 Lube Gear EP is a high-performance industrial gear oil that complies with DIN 51517 Part 3 CLP standards. Optimized for oxidation stability, moisture separation, and extreme pressure properties, it is recommended for industrial gear and vehicle equipment requiring extreme pressure resistance.

APPLICATIONS

- Recommended for all types of industrial and mobile equipment requiring mild EP gear lubricants. Particularly recommended for enclosed gear drives and speed reducers, ranging from small gearboxes to large, high-power units such as metal rolling mills, cement mills, sugar mills and mine hoists.
- Also suitable for chain cases, sprockets, slide guides, flexible couplings, and plain and rolling element bearings.

PERFORMANCE STANDARDS

- U.S. Steel 224
- DIN 51517 PART 3
- AGMA 9005-EO2
- David Brown S1.53.101
- Fives Cincinnati Gear Oils
- ISO 12925-1 CKC/CKD

CUSTOMER BENEFITS

Anti-Wear and EP Properties

A strong, long-lasting tribofilm minimizes wear and scuffing and maintains power transmission efficiency. Excellent extreme pressure and wear resistance protects gears from shock loads and heavy loads. High load carrying capacity extends gear life and provides excellent ability to keep gear surfaces free of deposits.

High Thermal and Oxidation Stability

Excellent oxidation stability prevents viscosity increase at normal operating temperature and prevents energy loss. High thermal stability maintains an efficient lubrication system by minimizing adhesion to gears and bearing surfaces.

Anti-Rust and Corrosion

Excellent rust and corrosion resistance prevents steel, copper, bronze, cadmium and nickel materials from corroding.

KEY PROPERTIES

SAE Grade	100	150	220	320	460
Kinematic Viscosity, mm ² /s @ 40°C	100.1	150.3	218.9	316.6	456.9
Kinematic Viscosity, mm ² /s @ 100°C	11.6	15.1	19.2	24.3	30.5
Viscosity Index	104	100	100	97	96
Pour Point °C	25	-19	-17	-16	-15
Flash Point °C	260	268	264	260	306
Package (Liters)	20, 200	20, 200	20, 200	20, 200	20, 200