

LUBTEC Industrial Gear Oil

Product Description

LUBTEC Industrial Gear Oil is a high-performance, extreme pressure (EP) lubricant designed for industrial enclosed gear systems operating under high loads, shock conditions, and elevated temperatures. Formulated with premium mineral base oils and advanced anti-wear additives, it ensures exceptional load-carrying capacity, thermal stability, and oxidation resistance. This lubricant effectively prevents gear micro-pitting, reduces friction, and extends equipment life, making it ideal for demanding applications.

Performance Benefits

- **Enhanced Gear Protection:** Prevents micro-pitting & wear, extending gear life.
- **Superior Load Carrying & Shock Resistance:** Protects against high loads & extreme pressures.
- **Excellent Oxidation & Thermal Stability:** Minimizes sludge formation & viscosity increase.
- **Outstanding Water Separation:** Ensures uninterrupted lubrication by preventing emulsification.
- **Rust & Corrosion Protection:** Safeguards components from oxidation and degradation.
- **Long Drain Intervals:** Reduces maintenance frequency & overall operational costs.

Typical Properties

Property	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	Units
Kinematic Viscosity @ 40°C	68.1	107.0	153.4	216.9	319.1	452.2	665.6	mm ² /s
Kinematic Viscosity @ 100°C	8.8	11.6	15.1	19.5	25.0	30.8	39.2	mm ² /s
Viscosity Index	100	103	100	100	100	98	97	-
Flash Point (COC)	236	250	264	278	278	280	290	°C
Pour Point	-32	-29	-26	-23	-22	-20	-18	°C
Copper Corrosion (3h @ 100°C)	1B	1B	1B	1B	1B	1B	1B	ASTM D130
Timken OK Load	65	65	75	75	75	80	85	lb
FZG Scuffing Test (A/8.3/90)	12+	12+	12+	12+	12+	12+	12+	Fail Stage
Demulsibility (82°C)	25	20	20	20	25	25	30	min
Rust Protection (ASTM D665A)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	-

Health, Safety, and Environmental Guidelines

- Handling: Avoid prolonged skin contact; wash with soap and water if contact occurs.
- Disposal: Dispose of used oil responsibly at authorized collection points.
- Storage: Store in a covered, dry environment at temperatures below 60°C. Keep drums horizontally to prevent water ingress.

Application

LUBTEC Industrial Gear Oil is recommended for:

- Industrial enclosed gear drives in steel mills, crushers, hoists, conveyors, presses, and extruders
- Spur, helical, bevel, and worm gears requiring extreme pressure protection
- Bath, splash, circulating, and spray mist lubrication systems
- General industrial plant lubrication where AGMA EP performance is required
- Plain and rolling contact bearings, shaft couplings, and chain drives

Meets and Exceeds

- AGMA 9005-E02-EP
- DIN 51517 Part 3 (CLP)
- ISO 12925-1 CKC/CKD
- David Brown S1.53.101 (5E)
- Fives Cincinnati P-63, P-76, P-77, P-74, P-59, P-35, P-78
- US Steel 224 Specification
- Flender, Rexnord, SMS Group SN 180-2

