

# INDUSTRIAL GEAR OILS (EP)

## DESCRIPTION

- **LubeRite EP** is a premium quality, general purpose, lead-free gear and bearing lubricant designed for continuous use at operating temperatures of up to 100°C.

## PROPERTIES

- Contains an EP (extreme pressure) agent to minimize metal seizure when operating at overload conditions up to 80°C temperature.
- Passes stage 12 of the FZG (wear) Test for load bearing capacity.
- Has excellent additiv-retention properties to provide protection against wear in continuous overload conditions.
- Possesses good water-separation properties

## TYPICAL CHARACTERISTICS

	<b>68</b>	<b>100</b>	<b>150</b>	<b>220</b>
Specific Gravity at 15.6°C	0.8866	0.8894	0.8933	0.9007
Flash Point, COC, °C	230	232	232	234
Color, ASTM	2.5	3.0	4.0	< 4.5
Viscosity at 40°C, cSt	65.3	100.4	143.8	217.3
Viscosity at 100°C, cSt	8.48	11.18	14.04	18.50
Viscosity Index	99	96	94	94
	<b>320</b>	<b>385</b>	<b>460</b>	<b>570</b>
Specific Gravity at 15.6°C	0.9042	0.9047	0.9059	0.9153
Flash Point, COC, °C	232	236	236	238
Color, ASTM	4.5	< 5.0	< 5.5	8
Viscosity at 40°C, cSt	318.1	390.0	466.7	564.4
Viscosity at 100°C, cSt	23.86	28.05	31.18	34.30
Viscosity Index	95	98	97	94
	<b>680</b>	<b>1000</b>	<b>4000</b>	<b>25K</b>
Specific Gravity at 15.6°C	0.9212	0.9415	0.9334	0.8922
Flash Point, COC, °C	234	-	-	-
Color, ASTM	> 8.0	-	-	-
Viscosity at 40°C, cSt	662.6	1010	4400	24500
Viscosity at 100°C, cSt	36.44	46.44	136.0	660
Viscosity Index	89	87	112	174

- Exhibits excellent thermal stability.

## APPLICATIONS

- Worm and hypoid gear boxes, plain and anti-friction bearings and gears subjected to heavy shock loads.

## GRADES

- ISO VG 68, 100, 150, 220, 320, 385, 460, 570, 680, 1000, 4000 and 25k

## AVAILABLE PACKAGING

- 200-liter drum
- 20-liter pail

## INDUSTRIAL GEAR OILS (EP)

4-ball EP (WP) Test (ASTM D2783)	200 kg
Copper Corrosion Test (ASTM D 130)	3a (3hr, 100°C)
Rust Test (sea water) (ASTM 665/B)	Pass (24hr)

Note: LubeRite EP 4000 is a highly viscous, oil-based EP lubricant, fortified with PIB and other synthetic material, with the same viscosity range as LubeRite EP 4K (asphalt-based). Its well-balanced formulation enables the oil to maintain stability even when left undisturbed for long periods of time. It is therefore suitable for extended use during several milling seasons.