



# GERIND EP

14/08/2013

## PRODUCT CATEGORY: INDUSTRIAL GEAR OIL

---

The **GERIND EP** is recommended for splash or circulation lubrication of all types of enclosed gears especially when operating conditions involve heavy loads, high-speed and high relative sliding velocities at high temperatures.

The oil can also be used to lubricate other heavily loaded parts and components such as:

- **Couplings**
- **Transmission screws**
- **Low speed plain-bearings**
- **Oil mist lubrication systems**
- **Steel-making plants**

The **GERIND EP** series is available in many different ISO viscosity grades, so that every choice can satisfy the most varied applicative and operational requirements needed by the customer.

The product is formulated from pure and selected paraffinic base stocks. The complete anti-wear and EP additivation ensure good high-speed and shock-load performance (thanks to sulphur components) and good low-speed and high-load performance (thanks to phosphorus components).

The superior demulsibility helps the oil separate quickly from water ensuring perfect lubrication even in applications in which water contamination is possible. In these damp conditions, the rust protection property protects and keeps polished all lubricated parts. The **GERIND EP** also possesses the following skills:

- **Thermal and oxidation stability**
- **Anticorrosion quality**
- **No toxicity since it is lead free**

It has also a great compatibility with the materials normally employed for the construction of machinery, especially gaskets and seals as well as steel, cast iron, copper and bronze.

## SPECS COMPLIANCE:

---

**ANSI/AGMA** 9005-D94 (2EP ISO 68, 3EP ISO 100, 4EP ISO 150, 5EP ISO 220, 6EP ISO 320, 7EP ISO 460)

**U.S. STEEL** 224

**ASLE** EP

**DAVID BROWN** S1.53.101 (5E)

**DIN** 51517 PART 3 CLP

**ISO** L-CKD



# GERIND EP

## CHARACTERISTICS (TYPICAL FIGURES):

<i>PROPERTIES</i>	<i>U.M.</i>	<i>ISO 32</i>	<i>ISO 46</i>	<i>ISO 68</i>	<i>ISO 100</i>	<i>ISO 150</i>	<i>ISO 220</i>	<i>ISO 320</i>	<i>ISO 460</i>	<i>METHOD</i>
Aspect	-	clear	clear	clear	clear	clear	clear	clear	clear	
Color	-	1.5	2.0	2.5	3.0	3.5	L 4.0	4.0	4.5	ASTM D-1500
Density (at 15 °C)	kg/dm <sup>3</sup>	0.870	0.875	0.885	0.890	0.895	0.895	0.900	0.905	ASTM D-4052
Viscosity (at 100 °C)	cSt	5.0	6.7	8.2	11.8	13.9	18.7	23.0	30.9	ASTM D-7279
Viscosity (at 40 °C)	cSt	32.0	46.0	64.0	100.0	141.0	220.0	300.0	460.0	ASTM D-7279
Viscosity Index (VI)	-	70	97	95	107	94	95	95	97	ASTM D-2270
Flash point	°C	210	220	225	230	235	240	240	245	ASTM D-92
Pour point	°C	-30	-27	-27	-24	-22	-20	-18	-14	ASTM D-5950

The above data are not specific and are subject to normal manufacturing tolerances.