

Bio Gear EP

BIODEGRADABLE EXTREME PRESSURE GEAR LUBRICANT

DESCRIPTION:

Bio Gear EP is a series of readily biodegradable extreme pressure gear lubricants designed for a variety of industrial and mobile equipment applications. Each grade of **Bio Gear EP** is designed to replace standard gear lubes within the AGMA grades. The **Bio Gear EP** series offers excellent thermal and oxidation stability and reduces operating temperatures to ensure superior service life with minimal gear, shaft, and bearing wear, all in a readily biodegradable, environmentally friendly formula. Available in ISO grades 68,100, 150, 220 and 320.

FEATURES:

- ◆ Readily biodegradable.
- ◆ Superior oxidation stability.
- ◆ High Viscosity Index.
- ◆ Industrial AGMA EP lubrication.
- ◆ Advanced rust and corrosion protection.
- ◆ Reduced friction and heat.
- ◆ Ultra-low toxicity

TECHNICAL DATA:

Bio Gear		EP ⁶⁸	EP ¹⁰⁰	EP ¹⁵⁰	EP ²²⁰	EP ³²⁰
ISO Grade:		68	100	150	220	320
Recommended for AGMA No:		2EP	3EP	4EP	5EP	6EP
Viscosity @ 40°C, cSt: typical	ASTM D445	68	100	150	220	320
Viscosity Index:	ASTM D2270	193	199	203	196	198
Pour Point, °F (°C):	ASTM D97	0 (-18)	0 (-18)	0 (-18)	+10 (-12)	+10 (-12)
Flash Point, °F (°C):	ASTM D92	>500 (260)	>500 (260)	>500 (260)	>500 (260)	>500 (260)
FZG Load Stage:	DIN 51354	12	12	12	12	12
Timken OK Load		>60lbs	>60lbs	>60lbs	>60lbs	>60lbs
Copper Corrosion:	ASTM D4048	1A	1A	1A	1A	1A
Rust Test, A & B	ASTM D1743	Pass	Pass	Pass	Pass	Pass
Biodegradability, %	CEC-L-33-A-94	>95	>95	>95	>90	>90
Suggested Operating Range		10F to 170F	10F to 170F	10F to 170F	10F to 170F	10F to 170F
Aquatic Toxicity, Fathead						
Minnow, LC50, 48hrs., ppm	EPA-821-R-02-012	>5,000	>5,000	>5,000	>5,000	>5,000

AVAILABLE PACKAGING:

5 Gallon Pails, 55 Gallon Steel or Plastic Drums, 275 Gallon Totes.



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