



High Performance Renewable Lubricants

Bio-E.P. Greases

Bio-E.P. (Extreme Pressure) Greases are state-of-the-art formulations, delivering exceptional mechanical and oxidation stability as well as improved worker and environmental safety. The stabilized base stocks and high viscosity indices naturally improve the thermal shear stability and load capacity. In addition to high performance, these greases are formulated from environmentally responsible, renewable, non-GMO agricultural plant resources.

We believe Earth's environmental future rests in the use of renewable materials.

Bio-Food Grade E.P. Greases

Bio-Food Grade¹ E.P. Grease is a high temperature Biobased grease with excellent E.P. and Antiwear performance. The super high viscosity index of the base stock naturally improves the thermal shear stability and load capacity. It was engineered specifically for food processing and packaging machinery. Bio-Food Grade E.P. Grease is a rust and oxidation inhibited formula that is very resistant to water washout. This product provides superior high temperature performance and good adhesion/cohesion properties. It has a neutral odor and is non-staining. NLGI #2 is offers good cold temperature mobility. NLGI #1 and #0 deliver improved cold temperature mobility over Bio-Food Grade E.P. NLGI #2. All are Supreme High Temperature Greases.

Typical Specifications

	NLGI #2	NLGI # 1	NLGI # 0
Base Oil -Viscosity @ 40°C cSt ASTM D 445	42.10	42.10	42.10
Viscosity @ 100°C cSt ASTM D 445	8.69	8.69	8.69
Viscosity Index ASTM D 2270	191	191	191
Pour Point ASTM D 97	-30°C	-30°C	-30°C
Color	White	White	White
Thickener	Aluminum Complex	Aluminum Complex	Aluminum Complex
Drop Point ASTM D 566	520° F (271°C)	500° F (260°C)	Not Applicable
Water Washout @ 79° C ASTM D 1264	2.0% Loss	3.4% Loss	Not Applicable
Mobility Test-US Steel Method			
40°C	113.00 g/min		
0°C	16.98 g/min		
-20°C	1.15 g/min		
4-Ball Wear ASTM D 2266	0.43 mm	0.46 mm	0.46 mm
4-Ball EP ASTM D 2596	Weld 250	Weld 250	Weld 250
Timken OK Load ASTM D 2509.	40 lbs.	40 lbs.	40 lbs.
Pen, Unwkd ASTM D 217	286 mm/10	325 mm/10	380 mm/10
Pen, Wkd 60 ASTM D 217	295 mm/10	320 mm/10	390 mm/10
Pen, Wkd 10,000 ASTM D 217 ⁽²⁾	304 mm/10 (+9)	N/A	N/A
Pen, Wkd 100,000 ASTM D 217 ⁽²⁾	293 mm/10	340 mm/10	390 mm/10
Roll Stability ASTM D 1831	+3.6%	-3.5%	385%
Cone Bleed @ 1000 C ASTM D 6184	2.2% Loss	3.7% Loss	Not Applicable
Copper Corrosion ASTM D 130	1A	1A	1A
Oil Separation ASTM D 1742	1.1% Loss	4.6% Loss	Not Applicable
Rust Test ASTM D 1743	Pass	Pass	Pass
Bomb Oxidation, 100 h. ASTM D 942	5.0 psi	5.0 psi	5.0 psi

¹ Base oils and additives in this product are listed in 21 CFR 178.3570, Lubricants for incidental food contact (USDA H-1). Full compliance with other applicable restrictions of FDA, USDA, oil spill, and oil pollution prevention statutes is recommended.

To Order

Fax to 831-728-1753 or call 800-491-9473 for Customer Service
Visit www.wiserenewables.com or Email sales@wiserenewables.com

Available Size Container

14 oz. Tubes	35 lb. Pail	120 lb. Keg	400 lb. Drum

Quantity (min.)