



Performance Biolubricants and Colloidal Cleaners

E.P. Greases

Food Grade E.P. Greases (NSF H1)

Typical Specifications



Nonfood Compounds
Program Listed (H1)
(Registration #140523)

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.

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. 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 Food Grade E.P. NLGI #2. All are Supreme High Temperature Greases.

	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 WiseSolutions.net or Email sales@wisesolutions.net

Available Size
Container

Quantity (min.)

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



Performance Biolubricants and Colloidal Cleaners

High Temperature 180 E.P. Grease

(Multipurpose Lithium Complex)

Applications

Typical Specifications

High Temperature 180 E.P. (Extreme Pressure) Greases are state-of-the-art formulations characterized by a super high viscosity index base oil and lithium complex thickener. The super high viscosity index of the stabilized base stocks naturally improves the thermal shear stability and load capacity. This very high load carrying ability, excellent resistance to water, corrosion, and outstanding performance in a wide temperature range, make it a high performance premium grease. It contains no heavy metals or other harmful or environmentally undesirable additives, such as chlorine, barium or lead. The Extreme Pressure performance is supported by an environmentally friendly E.P. additive and the total formulation is Ultimately Biodegradable¹. The data below shows that this product is a truly outstanding multipurpose lithium complex grease with excellent high temperature properties and good cold temperature mobility.

Industrial and mining machinery, transportation, agricultural, construction and forestry equipment, paper mills, conveyors, journal bearings, electric motors, pumps and marine applications can all benefit from its long lasting protection.

Base Oil -Viscosity @ 40°C cSt ASTM D 445	NLGI #2 179
Viscosity @ 100°C cSt ASTM D 445	26
Viscosity Index ASTM D 2270	180
Pour Point ASTM D 97	-36°C
Color	Green
Texture	Smooth, Tacky
Drop Point ASTM D 566	>550° F (>287°C)
Bomb Oxidation, 100 h. ASTM D 942	5.0 psi
Water Washout @ 79° C ASTM D 1264	2.0% Loss
Mobility Test-US Steel Method	
77°F	391 g/min
60°F	188 g/min
40°F	98 g/min
20°F	25.1 g/min
0°F	3 g/min
4-Ball Wear ASTM D 2266	0.428 mm
4-Ball EP ASTM D 2596	Weld 315
Timken OK Load ASTM D 2509.	60 lbs.
Pen, Unwkd ASTM D 217	274 mm/10
Pen, Wkd 60 ASTM D 217	284 mm/10
Pen, Wkd 10,000 ASTM D 217 ⁽²⁾	280 mm/10 (-4)
Pen, Wkd 100,000 ASTM D 217 ⁽²⁾	293 mm/10
Roll Stability ASTM D 1831	-4.00%
Cone Bleed @ 1000 C ASTM D 6184	4.94% Loss
Evaporation D-6184	0.52% Loss
Oil Separation ASTM D 1742	0.003% Loss
Rust Test ASTM D 1743	Pass
Copper Corrosion D-130	1A

This product is based on a proprietary and patented anti-oxidant, anti-wear, and cold flow technology. Base stocks are non-GMO agricultural vegetable oils. This stabilized technology provides high performance in high and low temperature applications, reducing oil thickening and deposits.

¹ Ultimate Biodegradation (Pw1) within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants.

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