PHILLIPS 66 LUBRICANTS

Food Machinery Grease

Food Processing Machinery

Extreme Pressure

Aluminum Complex Grease

NSF H1 Registered

Phillips 66® Food Machinery Grease is a premium quality, food grade, extreme pressure (EP), aluminum complex grease specially developed for the lubrication of machinery in food processing, bottling and packaging plants. It is registered by NSF International as an H1 lubricant for use where incidental food contact may occur, and also meets the requirements of the Canadian Food Inspection Agency (CFIA) for incidental food contact.

Food Machinery Grease is manufactured with high quality base oils and thickened with an aluminum complex soap. It is compounded with special food grade additives to provide excellent EP and antiwear properties, excellent oxidation resistance and good adhesion to metal surfaces. It has excellent resistance to water washout and provides excellent rust and corrosion protection in applications where the equipment is exposed to fruit acids, chemicals, or saline solutions.

Applications

- Food processing equipment in canneries, meat packing plants and poultry plants
- Bottling plants
- Seamers

Food Machinery Grease meets the requirements of the following government and industry specifications:

- Canadian Food Inspection Agency (CFIA) requirements for incidental food contact (LONO)
- FDA 21 CFR 178.3570 for incidental food contact
- NSF International H1 and former 1998 USDA H1 guidelines for incidental food contact (NSF Registration No. 142471)
- U.S. EPA/U.S. Coast Guard Static Sheen Test, Federal Register Vol. 58, No.41

Features/Benefits

- Excellent oxidation resistance
- Excellent resistance to water washout
- Good extreme pressure and antiwear properties
- Protects against rust and corrosion
- Good adhesion to metal surfaces
- Non-staining
- Suitable for use over a wide range of operating temperatures

Note: *Aluminum complex greases have an inherent tendency to bleed a small amount of oil during storage. Containers of Food Machinery Grease should be stored in a temperature controlled environment to minimize oil separation.*

KEEPING THE WORLD RUNNING SMOOTHLY

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Typical Properties		
NLGI Grade		**2**
Thickener Type		Aluminum Complex
Color		White
Texture		Smooth/Tacky
Density, lbs/gal		7.86
Dropping Point, °C (°F)	ASTM D2265	260 (500)
Viscosity, Kinematic	ASTM D445	
Viscosity @ 40°C, cSt		222
Viscosity @ 100°C, cSt		27.2
Penetration, Worked (60 strokes)	ASTM D217	265-295
Oxidation Stability, 100 Hours, psi (kPa)	ASTM D942	5 (34.5)
Four-Ball Wear Scar, mm	ASTM D2266	0.55
Four-Ball EP, Weld Load, Kgf	ASTM D2596	500
Timken OK Load, lbs	ASTM D2509	40
Corrosion Prevention	ASTM D1743	Pass
Copper Corrosion	ASTM D4048	1b
Water Spray-off, wt%	ASTM D4049	27.5

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via http://www.phillips66.com/SDS.

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Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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