



ISO-9001 Registered Quality System.  
ISO-21469 Compliant.

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## LUBRIPLATE "FGL" SERIES

Lubricants for Total Food and Beverage Plant Performance

\*NSF H-1 Registered

"These products are certified OU Kosher Pareve"

"These products are Halal Certified"

LUBRIPLATE FGL Greases have been formulated to meet the increased demands of the food, beverage and pharmaceutical industries. The trend towards NSF H-1 Registered\* products to replace H-2 products has meant a great deal of research and testing to improve the capabilities of lubricants with incidental food contact. LUBRIPLATE FGL greases are the result of these new demands.

**FGL-00** is a semi-fluid grease that is ideal for centralized lubrication systems that require a NLGI 00 grade of grease. FGL-00 is also good for older or leaky gear cases that can no longer contain an oil.

**FGL-0** is qualified for centralized lubrication systems on high-speed can-closing equipment. This product is non-separating in pumping devices and high-speed equipment. FGL-0 provides excellent anti-wear properties, exceptional water resistance, rust, oxidation and corrosion preventive qualities.

**FGL-1** for many plants, this NLGI 1 grade grease may be the most widely used lubricant due to its multi-functional capabilities. This includes low and high speeds, low and high temperatures and a wide range of loads. Available in convenient 14½ oz. cartridges and 11 oz. aerosol cans.

**FGL-2** provides superior film strength for slower moving applications under severe operating conditions such as water, steam, high temperature and load. The excellent shear stability of this grease in combination with a unique tackiness agent provides a long lasting durable film of lubricant for large bearings, open gears, chains and other exposed surfaces. Available in 14½ oz. Cartridges.

### Advantages

- Formulated with clear water-white, non-toxic, USP white oils that comply with FDA Regulation 21 CFR 172.878.
- Formulated with ingredients that comply with FDA regulation 21 CFR 178.3570 for lubricants with incidental food contact.
- Unique thickener combination resists oil bleed problems often encountered using conventional food grade lubricants.
- Longer lasting film allows less lubricant usage and extended re-greasing intervals.
- Excellent stability helps retard softening of grease during high shear mechanical action often experienced in high speed filling and packaging machinery.
- High temperature stability and oxidation resistance.
- Excellent resistance to water washout.

### Statement of Usage:

"These compounds may be used on food, beverage and pharmaceutical processing and packaging equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures and as a lubricant for machine parts and equipment in locations in which there is potential exposure of the lubricated part to food, beverage, pharmaceutical and related packaging equipment. The amount used should be the minimum required to accomplish the desired technical effect on the equipment."

(Over)

**LUBRIPLATE "FGL" Series Typical Tests**

	<b><u>FGL-00</u></b>	<b><u>FGL-0</u></b>	<b><u>FGL-1</u></b>	<b><u>FGL-2</u></b>
Soap Base	Aluminum Complex	Aluminum Complex	Aluminum Complex	Aluminum Complex
Penetration ASTM D-217 (Worked) 60 Strokes	420	380	310	285
10,000 Strokes	411	398	320	288
NLGI Grade	00	0	1	2
Dropping Point	410°F 210°C	435°F 224°C	460°F 238°C	515°F 268°C
Base Fluid Viscosity				
SUS @ 100°F	550	550	550	850
cSt @ 40°C	105	105	105	160
SUS @ 210°F	66	66	66	66
cSt @ 100°C	11.5	11.5	11.5	11.5
Rust Prevention Procedure (B) (ASTM D-1743)	Pass	Pass	Pass	Pass
Oxidation Stability - 100 Hours (ASTM D-942)	2.0 psi	2.0 psi	2.0 psi	2.0 psi
Four Ball Wear, 1 hr., 40 kg., 75°C, 1200 rpm (ASTM D-2266)	0.56 mm	0.56 mm	0.56 mm	0.56 mm
Water Washout (ASTM D-1264)		< 10%	< 6%	< 2%

**Lincoln Ventmeter Tests**

<b><u>Temperature</u></b>	<b><u>FGL-00</u></b>	<b><u>FGL-0</u></b>	<b><u>FGL-1</u></b>	<b><u>FGL-2</u></b>
82°F	0 psig	0 psig	150 psig	300 psig
30°F	0 psig	0 psig	350 psig	550 psig
0°F	100 psig	150 psig	575 psig	925 psig

	<b><u>FGL-00</u></b>	<b><u>FGL-0</u></b>	<b><u>FGL-1</u></b>	<b><u>FGL-2</u></b>
<b>*NSF H-1 Registration No's</b> (Meets USDA 1998 Guidelines)	043532	043531	043534 126088 (Aerosol)	043536

\*Authorized by NSF for use in food processing facilities as a lubricant or anti-rust agent on equipment in which there may be incidental contact involving the lubricated part and the edible product.

\*NSF – National Sanitation Foundation

Manufactured with ingredients that comply with FDA 21 CFR 178.3570.

"The **LUBRIPLATE FGL Series** contain no components derived from TSE/BSE relevant animal species; therefore, they are compliant with the requirements of the TSE Note for Guidance EMEA/410/01 Rev. 2, October 2003".

<b><u>Packaging Available</u></b>	<b><u>FGL-00</u></b>	<b><u>FGL-0</u></b>	<b><u>FGL-1</u></b>	<b><u>FGL-2</u></b>
Case, 24/14 oz. cans	-----	L0230-001	L0231-001	L0232-001
Case, 6/6 lb. cans	-----	L0230-006	L0231-006	L0232-006
35 lb. pail	L0226-035	L0230-035	L0231-035	L0232-035
120 lb. drum	L0226-039	L0230-039	L0231-039	L0232-039
415 lb. drum	L0226-040	L0230-040	L0231-040	L0232-040
Case, 12/11 oz. aerosol cans	-----	-----	L0231-063	-----
Case, 40/14½ oz. cartridges	-----	-----	L0231-098	L0232-098

Bulk Bins - Contact your LUBRIPLATE District Manager