



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

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### **LUBRIPLATE "FGL" SERIES**

Now with LUBRI-ARMOUR, LUBRIPLATE's anti-microbial additive which prevents the decomposition of lubricants caused by microorganisms. LUBRIPLATE FGL greases are treated with LUBRI-ARMOUR to remain fresh and last longer in harsh food processing environments.

Lubricants for Total Food and Beverage Plant Performance

\*NSF International 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 International 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.

| <b><u>LUBRIPLATE "FGL" Series Typical Tests</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> |
|--|----------------------|---------------------|---------------------|---------------------|
| Soap Base  | Aluminum Complex     | Aluminum Complex    | Aluminum Complex    | Aluminum Complex    |
| Penetration ASTM D-217<br>(Worked) 60 Strokes                  | 420                  | 380                 | 310                 | 285                 |
| 10,000 Strokes   | 411                  | 398                 | 320                 | 288                 |
| NLGI Grade   | 00                   | 0                   | 1                   | 2                   |
| Dropping Point   | 410°F<br>210°C       | 435°F<br>224°C      | 460°F<br>238°C      | 515°F<br>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)<br>(ASTM D-1743)                 | Pass                 | Pass                | Pass                | Pass                |
| Oxidation Stability -<br>100 Hours<br>(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<br>(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><u>*NSF International H-1 Registration No's</u></b> | 043532               | 043531              | 043534              | 043536              |
| (Meets former USDA 1998 Guidelines)                    |                      |                     | 126088 (Aerosol)    |                     |

\*Registered H-1 by NSF International 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.

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 EMA/410/01 Rev. 3 July 2011".

| <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