



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

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**PRODUCT DATA**

**LUBRIPLATE SYNXTREME FG/460 SERIES**

"These products are certified OU Kosher Pareve"

"These products are Halal certified"

\*NSF International H-1 Registered  
NSF ISO21469 Certification

**DESCRIPTION**

LUBRIPLATE SYNXTREME FG/460 products are 100% synthetic, calcium sulfonate complex based greases. Their advanced technology delivers outstanding shear stability, reduced wear and excellent resistance to water and other corrosive substances. These food grade greases are manufactured with ingredients that comply with FDA 21 CFR 178.3570, FDA 21 CFR 172.882 and FDA 21 CFR 182 G.R.A.S.

*\*Now treated with LUBRI-ARMOUR, LUBRIPLATE's anti-microbial additive developed to prevent the decomposition of lubricants caused by microorganisms. LUBRIPLATE SYNXTREME FG/460 greases treated with LUBRI-ARMOUR, remain fresh and last longer in harsh food processing plant environments.*

**APPLICATIONS**

The heavy, 100% synthetic fluid used in these greases delivers increased oxidation stability and enables them to be effective at application temperatures between 450°F and 500°F with frequent re-lubrication intervals.

**ADVANTAGES**

- ⇒ High temperature stability
- ⇒ Mechanical stability – the greases do not thin out.
- ⇒ Delivers excellent anti-wear (AW) and extreme pressure (EP) protection. (See specific results on back page)
- ⇒ Calcium sulfonate thickener delivers unsurpassed rust and corrosion prevention.
- ⇒ Excellent resistance to chemically treated water washdown procedures at high temperatures.

**Typical Test Data – See Back**

**PACKAGING AVAILABLE**

35 lb. Pail  
120 lb. Quarter Size Drum  
415 lb. Full Size Drum  
Carton, 40/16 oz. Cartridges

**FG-2/460**

L0320-035  
L0320-039  
L0320-040  
L0320-098

**FG-1/460**

L0321-035  
L0321-039  
\*\*\*  
L0321-098

**PACKAGING AVAILABLE**

35 lb. Pail  
120 lb. Quarter Size Drum

**FG-0/460**

L0322-035  
L0322-039

**FG-00/460**

L0324-035  
L0324-039

*\*NSF International H-1 Registration No's (Meets former USDA 1998 Guidelines)*

(Synxtreme FG-2/460)  
161741  
(Synxtreme FG-1/460)  
161740

(Synxtreme FG-0/460)  
161739  
(Synxtreme FG-00/460)  
161738

*The LUBRIPLATE Synxtreme FG/460 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".*

*\*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.*

**STORAGE RECOMMENDATIONS**

- ⇒ Products should be stored between 40°F-120°F
- ⇒ Products should be stored in a dry covered environment
- ⇒ Products should not be stored in warm, direct sunlight
- ⇒ Improper storage conditions can significantly alter the shelf life of the product. Such conditions would include temperature, moisture, open containers, etc.



Nonfood Compounds  
H1 Registered  
ISO 21469 Certified



PAREVE



HALAL

| PROPERTY  | TEST METHOD | TYPICAL RESULTS           |                           |                           |                           |
|---|-------------|---------------------------|---------------------------|---------------------------|---------------------------|
|   |             | FG-2/460                  | FG-1/460                  | FG-0/460                  | FG-00/460                 |
| Thickener   |             | Calcium Sulfonate Complex | Calcium Sulfonate Complex | Calcium Sulfonate Complex | Calcium Sulfonate Complex |
| NLGI Grade  |             | 2                         | 1                         | 0                         | 00                        |
| Color   | Visual      | Tan                       | Tan                       | Tan                       | Tan                       |
| Texture   | Visual      | Smooth                    | Smooth                    | Smooth                    | Smooth                    |
| Dropping Point, °F  | ASTM D-2265 | >600°F<br>(>316°C)        | 495°F<br>(257°C)          | 333°F<br>(167°C)          | 331°F<br>(166°C)          |
| Unworked Penetration  | ASTM D-217  | 273                       | 308                       | 362                       | 407                       |
| Worked Penetration (60x)                                      | ASTM D-217  | 286                       | 326                       | 370                       | 415                       |
| Oil Separation - % Loss                                       | ASTM D-1742 | 0.3                       | 0.6                       | N/A                       | N/A                       |
| Water Washout @ 175°F - % Loss                                | ASTM D-1264 | 1.55                      | 2.20                      | 8.42                      | 23.88                     |
| Rust Prevention   | ASTM D-1743 | Pass                      | Pass                      | Pass                      | Pass                      |
| Copper Corrosion  | ASTM D-130  | 1b                        | 1b                        | 1b                        | 1b                        |
| Four ball Wear; mm Scar Diameter                              | ASTM D-2266 | 0.57                      | 0.51                      | 0.44                      | 0.59                      |
| 4-Ball EP - Weld Load – Kg.                                   | ASTM D-2596 | 400                       | 315                       | 315                       | 250                       |
| Base Fluid Type   |             | PAO                       | PAO                       | PAO                       | PAO                       |
| ISO VG  |             | 460                       | 460                       | 460                       | 460                       |
| Viscosity @ 40°C - cSt  | ASTM D-445  | 414 - 506                 | 414 - 506                 | 414 - 506                 | 414 - 506                 |
| <b><u>Lincoln Ventmeter:</u></b><br>@ 77°F<br>@ 30°F<br>@ 0°F | K95400      | 238<br>956<br>N/A         | 179<br>378<br>1073        | 85<br>153<br>355          | 53<br>86<br>256           |