

LSG LITHIUM COMPLEX 220 GREASE NO. 2

Heavy-Duty High-Temperature Grease for Pellet Mill and Industrial Roller Bearings.

Specifically for Grain and Feed Processing Machinery.

LSG LITHIUM COMPLEX 220 GREASE NO. 2

LONE STAR
GREASE & LUBRICANTS

Is a high-performance lithium complex grease specially formulated for the severe operating conditions found in **pellet mills, extruders, and other high-load, high-temperature processing equipment**.

Developed to deliver maximum protection under extreme pressure and continuous thermal cycling, it ensures reliable lubrication in the most demanding industrial environments.

This grease features a robust lithium complex thickener, premium base oils, and a heavy-duty additive package designed to withstand the intense friction, vibration, and mechanical stress characteristic of pelletizing and extrusion operations.

It provides excellent film strength, superior load-carrying capacity, and outstanding resistance to oxidation, thermal breakdown, and water washout.

Engineered for long service life in demanding machinery, **LSG Lithium Complex 220 Grease No. 2** adheres firmly to metal surfaces and resists sling-off, at elevated temperatures and in wet, dusty conditions.

Its formulation minimizes wear on bearings, bushings, and die rolls, reducing downtime and maintenance in high-speed or continuous-production operations.

Free of heavy metals and environmentally harmful additives, it offers a clean, responsible solution for feed processing, biomass fuel manufacturing, and other material compression industries.

This grease delivers exceptional mechanical stability and consistent performance—making it the go-to lubricant for pellet mills and industrial compaction systems requiring superior protection and productivity.

KEY FEATURES

- **Designed specifically** for pellet mill roller and die bearings.
- **Excellent thermal and mechanical stability.**
- **High load-carrying capacity** and extreme pressure (EP) protection.
- **Superior resistance** to water washout and steam exposure.
- **Stays in place** under high temperatures and intense mechanical stress.



CUSTOMER BENEFITS

- ✓ Reduces bearing failure in high-heat, high-pressure pelletizing environments.
- ✓ Protects against lubricant loss in wet or steamy processing areas.
- ✓ Extends relubrication intervals in severe-duty applications.
- ✓ Provides consistent lubrication under shock loads and vibration.
- ✓ Prevents corrosion and reduces unplanned downtime.

APPLICATIONS

LSG Lithium Complex 220 Grease No. 2 is ideal for:

- Pellet mill roller and die bearings.
- Feed processing and wood pellet manufacturing.
- Industrial equipment operating under extreme pressure and high temperature.
- Bearings in steam or water-prone environments.
- Applications requiring the grease to stay in place at high speeds and loads. Ideal for use where durability, contamination protection, water resistance, and thermal stability are essential for the reliable operation of grain and feed processing machinery.

PACKAGING:



Cartridges
14 oz.



Pails
35 lbs.



Kegs
120 lbs.



Drums
400 lbs.

*Custom and Bulk Packaging available upon request.

TYPICAL PROPERTIES

Property	Value	Test Method
NLGI Grade	2	ASTM D217
Worked Penetration (60X)	265–295	ASTM D217
Dropping Point (°C)	> 260	ASTM D2265
Base Oil Viscosity @ 40°C (cSt)	220	ASTM D445
Four Ball Weld Load (kg)	500	ASTM D2596
Four Ball Wear (mm)	0.45	ASTM D2266
Timken OK Load (lbs)	60	ASTM D2509
Water Washout, % @ 175°F	< 3	ASTM D1264
Color	Red	Visual
Texture	Tacky / Smooth	Visual
Fling Off Test	<10% Loss	ASTM D4049



Typical properties reflect the expected results within normal production tolerances but do not constitute a specification. Minor variations that do not impact product performance may occur during standard manufacturing processes or at different blending locations. The information provided here is subject to change without notice.

Health and Safety:

When used as intended, this product is not expected to pose any health risks or safety concerns. To minimize exposure, avoid direct skin contact and wear resistant gloves when handling used lubricants. If contact occurs, wash the affected area immediately with soap and water. For comprehensive guidelines on safe handling and detailed product information, please refer to the Material Safety Data Sheet (MSDS) available on our website. <https://lonestargl.com>