



LSG SYNTHETIC LITHIUM COMPLEX 460 GREASE NO. 2

Severe-Service Synthetic PAO Lithium Complex Grease for Extreme
Temperature Environments

Designed for Extreme Environments and Conditions in Oilfield and
Mining Equipment.

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LONE STAR
GREASE & LUBRICANTS

Is a high-performance, PAO synthetic grease designed to provide superior protection and longevity in extreme conditions and wide temperature environments. Formulated with synthetic base oils and a lithium complex thickener, it offers exceptional film strength, outstanding thermal stability, and long-lasting lubrication.

Engineered to exceed the demands of severe-duty applications, this grease is fortified with anti-wear, anti-rust, and extreme pressure additives that help protect critical components from damage due to shock loading, vibration, and heavy mechanical stress where standard mineral oil greases don't work. Its high-viscosity synthetic base ensures excellent adhesion to metal surfaces, providing lubrication in high temperature or extreme low temperature conditions.

KEY FEATURES

- Synthetic PAO base oil with ISO VG 460 viscosity provides enhanced lubrication protection
- Lithium complex thickener provides thermal and mechanical stability
- Excellent extreme pressure (EP) and anti-wear protection improves equipment life
- Outstanding resistance to water washout
- Provides excellent rust, and oxidation protection
- NLGI #2 consistency for broad-range general applications

CUSTOMER BENEFITS

- ✓ Delivers long-lasting protection under high shock loads.
- ✓ Provides high lubricant film strength for extended equipment life.
- ✓ Maintains grease structure and lubricity under high temps and stress.
- ✓ Performs in wet, dirty, and high temperature working conditions extending equipment life.
- ✓ Reduces costs from downtime and frequency of relubrication.

The grease maintains its consistency and protective capabilities across a broad operating temperature range, resisting softening at elevated temperatures and hardening in cold weather. It also provides excellent resistance to water washout, oxidation, and corrosion, ensuring dependable performance in wet, dirty, or corrosive environments.

Ideal for heavy equipment, machinery, mining operations, and industrial processing equipment, **LSG Synthetic Lithium Complex 460 Grease No. 2** helps extend bearing life, reduce maintenance frequency, and optimize equipment uptime under the toughest operating conditions needing superior grease technology.



APPLICATIONS

LSG Synthetic Lithium Complex 460 Grease No. 2 is ideal for:

- Bearings, trunnion rollers, and gears on rotary kilns
- Off-highway construction and mining equipment
- Industrial bearings, bushings, and joints operating at high temperatures
- Equipment maintenance in extreme weather and operating environments

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)	460	ASTM D445
Four Ball Weld Load (kg)	500	ASTM D2596
Four Ball Wear (mm)	0.40	ASTM D2266
Timken OK Load (lbs)	60	ASTM D2509
Water Washout, % @ 175°F	<2	ASTM D1264
Rust Test	Pass	ASTM D1743
Color	Red	Visual
Texture	Tacky / Smooth	Visual



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>