

LSG SYNTHETIC LITHIUM

COMPLEX 460 GREASE NO. 00, 0, 1, & 2

Premium Full Synthetic Lithium Complex Grease for Extreme Loads, High Temperatures & Water Presence in General Industrial Applications.

High-Viscosity Synthetic Grease for Uncompromising Performance in Demanding Manufacturing and Processing Environments.

LSG SYNTHETIC LITHIUM COMPLEX 460 GREASE NO. 00, 0, 1, & 2

Is a high-performance, synthetic-based lubricant designed to excel under extreme mechanical stress, wide temperature fluctuations, and severe service conditions. Engineered with a high-viscosity synthetic base oil and a proprietary lithium complex thickener system, it delivers extra protection in high-load applications, while maintaining structural stability and pumpability across **NLGI grades No. 00, 0, 1 & 2**.

Its high viscosity synthetic base not only enhances thermal and oxidative stability but also provides extra wear protection and extended component life. This makes it a go-to solution for industries such as mining, heavy transportation, steel mills, and wind energy systems, where uptime and resilience are non-negotiable.

The grease has been developed through years of rigorous testing and refinement, optimizing the synthetic base oil and additive performance.

LONE STAR
GREASE & LUBRICANTS

It performs exceptionally well in centralized lubrication systems, as well as manual or automatic, offering versatile coverage for gear-driven, bearing-loaded, or high-RPM equipment.

Its advanced formulation provides high-temperature resistance, superb shear stability, and unmatched water washout protection. The inclusion of high-performance additives enables superior corrosion protection, load-carrying capacity, and lubricity, while preventing metal-to-metal contact and grease sling-off in dynamic systems. Formulated with environmental and operational reliability in mind, it contains no heavy metals or environmentally hazardous additives.

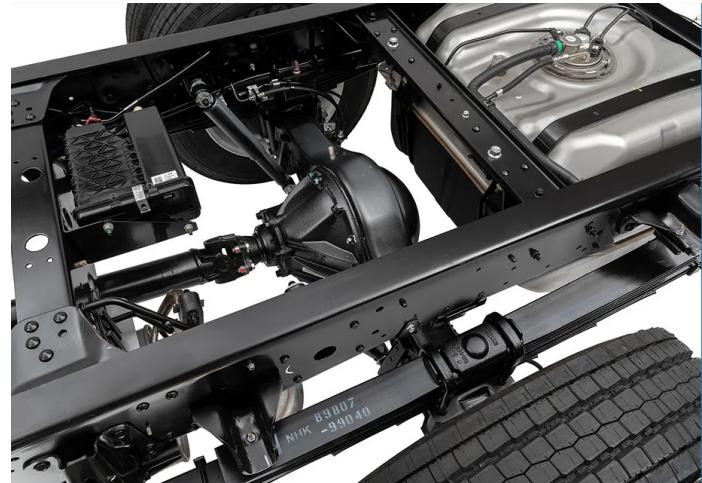
Whether you're lubricating enclosed gearboxes, conveyor bearings, electric motors, or extreme-load pivots, **LSG Synthetic Lithium Complex 460 Greases** ensure reliable, long-lasting performance in both extreme and harsh environments.

KEY FEATURES

- **Full synthetic base oil** with high viscosity utilizing PAO technology.
- **Available in NLGI grades No. 00, 0, 1 & 2** for versatile applications.
- **Outstanding performance** in extreme high and low temperatures and high-load environments.
- **Excellent water resistance** and corrosion protection.
- **Lithium complex thickener** ensures mechanical stability and long service life.

CUSTOMER BENEFITS

- ✓ Enhanced equipment protection in both high- and low-temperature applications.
- ✓ Long-lasting lubrication reduces relubrication intervals.
- ✓ Performs well in high-speed bearings, bushings, and chassis components.
- ✓ Compatible with most elastomers and seals.
- ✓ Protects metal surfaces against wear, rust, and water damage.



APPLICATIONS

LSG Synthetic Lithium Complex 460 Grease No. 00, 0, 1, & 2 is engineered for a wide range of heavy-duty applications, including:

- On- and off-road equipment (construction, mining, agriculture)
- Automotive chassis and wheel bearings
- Electric motors and conveyors
- High-speed or high-load bearings
- General Industrial applications requiring a wide range of performance features.

Wide range of NLGI grades allows you to select the optimal grease for your specific application needs — ranging from semi-fluid flowable greases to more rigid and structured greases.

PACKAGING:



Cartridges
14 oz.



Pails
35 lbs.



Kegs
120 lbs.



Drums
400 lbs.

*Custom and Bulk Packaging available upon request.

TYPICAL PROPERTIES

Property	No. 00	No. 0	No. 1	No. 2	Test Method
NLGI Grade	00	0	1	2	ASTM D217
Worked Penetration (60X)	400–430	355–385	310–340	265–295	ASTM D217
Dropping Point (°C)	-	-	>260	>260	ASTM D2265
Base Oil Viscosity @ 40°C (cSt)	460	460	460	460	ASTM D445
Four Ball Weld Load (kg)	400	400	400	400	ASTM D2596
Four Ball Wear (mm)	0.45	0.45	0.45	0.45	ASTM D2266
Timken OK Load (lbs)	45	45	45	45	ASTM D2509
Water Washout, % @ 175°F	-	-	<3	<3	ASTM D1264
Color	Red	Red	Red	Red	Visual
Texture	Smooth	Smooth	Smooth	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>