

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

Severe-Service Synthetic Blend Lithium Complex Grease for
High-Load Construction Equipment.

Designed for Extreme Loads and Pressure, Ensuring Durability
in Construction.

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LONE STAR
GREASE & LUBRICANTS

Is a high-performance, PAO synthetic blend grease designed to provide superior protection and longevity in extreme pressure and high-load environments. Formulated with a synthetic blend of base oils (ISO VG 460) and a lithium complex thickener, it offers exceptional film strength, outstanding thermal stability, and long-lasting lubrication tailored for the brutal conditions of the construction industry.

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, high vibration, and heavy mechanical stress common on construction sites. Its high-viscosity synthetic blend base ensures excellent adhesion to metal surfaces, even in high-speed or high-temperature conditions, providing a robust lubricating film.

The grease maintains its consistency and protective capabilities across a broad operating temperature range, resisting softening at elevated temperatures (like those in hot climates or high-friction areas) and hardening in extreme cold weather, ensuring reliable pumpability and performance year-round.

It also provides excellent resistance to water washout, oxidation, and corrosion, ensuring dependable performance in wet, muddy, dusty, or corrosive construction environments.

Ideal for heavy construction equipment like excavators, loaders, bulldozers, articulated trucks, crushers, and concrete pumps, **LSG Synthetic Blend Lithium Complex 460 Grease** helps extend bearing life, reduce maintenance frequency, and optimize equipment uptime under the toughest operating conditions, maximizing productivity on your job sites.

KEY FEATURES

- **Synthetic blend base oil with ISO VG 460 viscosity** provides exceptional film strength and performance across wide temperatures.
- **Lithium complex thickener** provides superior thermal and mechanical stability under severe construction loads.
- **Excellent extreme pressure (EP)** and anti-wear protection which significantly improves equipment life in demanding applications.
- **Outstanding resistance to water washout**, crucial for equipment exposed to rain, mud, and high-pressure cleaning.
- **Provides excellent rust and oxidation protection**, safeguarding components in harsh, corrosive environments.
- **Available in NLGI No. 00, 0, 1 & 2 consistency** for versatile application methods and temperature ranges, including centralized systems.

CUSTOMER BENEFITS

- ✓ Delivers long-lasting protection under high shock loads and continuous heavy-duty operation, reducing component fatigue.
- ✓ Provides high film strength for extended equipment life, minimizing wear on bearings, pins, and bushings.
- ✓ Maintains structure and lubricity under high temperatures and stress, ensuring consistent performance.
- ✓ Performs reliably in wet, dirty, and high-temperature working conditions, common on construction sites.
- ✓ Reduces downtime and frequency of relubrication, leading to increased equipment availability and lower operating costs.

APPLICATIONS

LSG Synthetic Blend Lithium Complex 460 Grease No. 00, 0, 1 & 2 is ideal for:

- **Heavy construction equipment:** Excavators, loaders, bulldozers, graders, articulated dump trucks, scrapers.
- **Centralized lubrication systems:** Lower NLGI grades (No. 00 & 0) are ideal for easier pumpability in large systems, especially in cold weather.
- **Crushers and screening plants:** Bearings, pivot points, and vibrating components.
- **Concrete pumps and heavy transport vehicles:** Chassis, fifth wheels, and U-joints.
- **Drill rigs and pile drivers:** Components subjected to extreme shock and impact.
- **Industrial bearings, bushings, and joints:** operating at high temperatures, heavy loads, and in abrasive conditions.
- **Equipment maintenance in extreme weather (hot or cold):** and demanding operating environments typical of large construction projects.

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	>260	>260	ASTM D2265
Base Oil Viscosity @ 40°C (cSt)	460	460	460	460	ASTM D445
Four Ball Weld Load (kg)	500	500	500	500	ASTM D2596
Four Ball Wear (mm)	0.40	0.40	0.40	0.40	ASTM D2266
Timken OK Load (lbs)	60	60	60	60	ASTM D2509
Water Washout, % @ 175°F	<2	<2	<2	<2	ASTM D1264
Rust Test	Pass	Pass	Pass	Pass	ASTM D1743
Color	Red	Red	Red	Red	Visual
Texture	Tacky / Smooth	Tacky / Smooth	Tacky / Smooth	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>