

LSG SYNTHETIC LITHIUM COMPLEX 220 GREASE NO. 1 & 2

High Performance Full Synthetic Lithium Complex Grease for Extreme Loads, Moisture Exposure & Extended Service Intervals

Multi-purpose Synthetic Grease for Superior Protection of Marine equipment Against Saltwater, Extreme Temperatures and Harsh Environments

LSG SYNTHETIC LITHIUM COMPLEX

220 GREASE NO. 1 & 2

LONE STAR
GREASE & LUBRICANTS

Is a full-synthetic PAO, lithium complex grease formulated for high-load, high-moisture environments such as bearings, equipment, deck gear, and parts in the marine industry. Featuring an optimized synthetic base oil viscosity, this grease ensures robust film strength, exceptional thermal stability, and enhanced water resistance across a wide range of applications.

The availability of NLGI No. 1 and No. 2 consistency provides excellent mechanical stability and versatility, making it an ideal choice for centralized lubrication systems or manual application where adhesion, load-carrying capacity, and corrosion resistance are critical.

KEY FEATURES

- Full synthetic base oil provides a robust lubricant film and broad temperature performance.
- NLGI No. 1 and No. 2 consistency provide for versatile application, ensuring pumpability in centralized systems and structural stability in various bearings and applications.
- High dropping point and thermal stability, maintaining performance in elevated temperature operations.
- Outstanding water washout resistance and anti-rust protection, crucial in wet and corrosive environments.
- Suitable for extended re-lubrication intervals under severe conditions, reducing maintenance frequency.

Whether exposed to saltwater spray, high loads, or fluctuating operating temperatures, **LSG Synthetic Lithium Complex 220 Greases** offer long-lasting protection and reduces maintenance costs and time.

This grease is designed to resist oxidation, water washout, and wear under mechanical stress—making it an optimal choice for demanding applications in a wide range of applications like marine, industrial, and mobile equipment sectors that require superior performance and extended lubricant life.



CUSTOMER BENEFITS

- ✓ Provides long-lasting protection in saltwater and humid environments, safeguarding valuable equipment.
- ✓ Reduces wear and friction, enhancing efficiency and component lifespan.
- ✓ Extends bearing and component life under heavy loads, minimizing costly repairs and downtime.
- ✓ Delivers consistent performance across broad temperature ranges, from cold starts to high operating heat.
- ✓ Highly compatible with centralized and manual lube delivery systems, simplifying application.

APPLICATIONS

LSG Synthetic 220 Lithium Complex Grease No. 1 & 2 is recommended for:

- Marine wheel bearings, rudder posts, stern tube bearings, and propulsion systems.
- Chassis lubrication exposed to water, salt, or heavy loading in mobile equipment.
- Construction and marine equipment in high-moisture marine settings and under heavy shock loads.
- Agricultural and on-/off-road fleets requiring extended lube intervals and superior protection in marine environments.
- Any cable or sliding surface where a synthetic, water-resistant grease is specified.

PACKAGING:



Cartridges
14 oz.



Pails
35 lbs.



Kegs
120 lbs.



Drums
400 lbs.

TYPICAL PROPERTIES

Property	No. 1	No. 2	Test Method
NLGI Grade	1	2	ASTM D217
Worked Penetration (60X)	310–340	265–295	ASTM D217
Dropping Point (°C)	>260	>260	ASTM D2265
Base Oil Viscosity @ 40°C (cSt)	100	100	ASTM D445
Four Ball Weld Load (kg)	315	315	ASTM D2596
Four Ball Wear (mm)	0.45	0.45	ASTM D2266
Timken OK Load (lbs)	<3	<3	ASTM D1742
Water Washout, % @ 175°F	<2	<2	ASTM D1264
Rust Test	<10%	<10%	ASTM D4049
Color	Blue	Blue	Visual
Texture	Smooth / Buttery	Smooth / Buttery	Visual
Salt Water Test	Pass (No Rust)	Pass (No Rust)	ASTM D665, Proc. B
Water Spray Off Test	40	40	ASTM D2509



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>