



LSG LITHIUM COMPLEX 150 3% MOLY NO. 1 & 2

EP Lithium Complex Grease with Molybdenum
Disulfide for Severe Construction Service Equipment.

Enhanced Wear Resistance and Load Protection for
Construction Applications.

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LONE STAR
GREASE & LUBRICANTS

Is a high-performance lithium complex grease fortified with 3% molybdenum disulfide (moly) for added protection under extreme pressure and shock-loading conditions—perfectly tailored for the heavy-duty demands of the construction industry.

This grease is designed to excel in high-temperature environments, providing superior protection and long-lasting lubrication for equipment exposed to intense heat and friction.

The addition of Moly Technology creates a solid lubricating film that reduces wear on metal surfaces, especially where sliding, oscillating, or pivoting motion is common—such as in pins, bushings, fifth wheels, and heavy-duty joints on excavators, loaders, dozers, and articulated trucks.

Ideal for construction equipment like loaders, excavators, bulldozers, and articulated trucks, it delivers strong resistance to water washout, corrosion, and oxidation, even in wet or dirty worksite conditions. Its exceptional mechanical stability ensures it stays in place and maintains performance throughout extended service intervals, keeping your machinery reliable on demanding job sites.

Whether operating in hot climates, under heavy shock loads, or in abrasive work zones, **LSG Lithium Complex 150 3% Moly** enhances uptime, reduces maintenance needs, and extends the life of critical components—keeping your fleet productive and protected.

KEY FEATURES

- **Lithium complex thickener** with high temperature resistance, providing stability in hot construction environments.
- **Fortified with 3% Molybdenum Disulfide (Moly) technology** for added EP (extreme pressure) protection and reduced wear on heavily loaded, oscillating components.
- **Excellent mechanical stability** and load-carrying performance, crucial for heavy-duty construction machinery.
- **Strong resistance to water** washout, rust, and oxidation, protecting equipment in wet, muddy, or dusty conditions.
- **Available in NLGI No. 1 and No. 2 consistency** for versatile application across various equipment and temperatures.



CUSTOMER BENEFITS

- ✓ Reduces wear in heavily loaded and oscillating motion components like bucket pins and linkages.
- ✓ Provides protection under extreme pressure and shock-loading conditions, extending the lifespan of vital parts.
- ✓ Resists thermal breakdown and maintains grease integrity, even in prolonged high-temperature operation.
- ✓ Provides a durable lubrication film in dirty or abrasive environments, reducing maintenance checks.
- ✓ Minimizes downtime and extends maintenance intervals in high-stress service, boosting job site productivity.

APPLICATIONS

LSG Lithium Complex 150 3% Moly No. 1 & 2 is ideal for:

- **Construction and mining equipment:** Excavators, loaders, bulldozers, graders, articulated dump trucks.
- **Off-road and on-road chassis components** exposed to heavy loads and harsh conditions.
- **Pivot pins, bucket pins, and universal joints** on heavy machinery.
- **Fifth wheel and kingpin lubrication** for transport and hauling vehicles.
- **Construction equipment and other heavy-duty machinery** operating under high-load conditions.

PACKAGING:



Cartridges
14 oz.



Pails
35 lbs.



Kegs
120 lbs.



Drums
400 lbs.

*Custom and Bulk Packaging available upon request.

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)	150	150	ASTM D445
Four Ball Weld Load (kg)	500	500	ASTM D2596
Four Ball Wear (mm)	0.45	0.45	ASTM D2266
Timken OK Load (lbs)	60	60	ASTM D2509
Water Washout, % @ 175°F	<2	<2	ASTM D1264
Rust Test	Pass	Pass	ASTM D1743
Color	Gray/Black	Gray/Black	Visual
Texture	Tacky / Smooth	Tacky / Smooth	Visual
Molybdenum Content	3%	3%	Calculated



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>