



LSG LITHIUM COMPLEX 150 GREASE NO. 00, 0, 1 & 2

Multi-Purpose Grease for Equipment in Demanding Mining and Frack Operations

High-Performance Grease Lubricant for Robust Lubrication Protection in Frack & Mining Applications.

LSG LITHIUM COMPLEX 150 GREASE

NO. 00, 0, 1 & 2

LONE STAR
GREASE & LUBRICANTS

Is a versatile, high-performance lithium complex grease specifically developed to meet the rigorous demands of mining operations, both surface and underground. Its robust formulation makes it exceptionally suited for the extreme conditions found in mining, requiring excellent mechanical stability, superior extreme pressure (EP) protection, and outstanding resistance to water and contaminants. It offers reliable lubrication across a wide

This grease is formulated with premium base oils and a robust additive package that significantly enhances wear protection, oxidation resistance, and high-load protection, even under constant high loads. Its lithium complex thickener provides structural integrity at high temperatures and maintains consistency under severe mechanical stress, crucial for continuous mining operations.

KEY FEATURES

- **Lithium complex thickener technology** for exceptional high-temperature stability and resistance to mechanical shear in heavy mining machinery.
- **Available in Various NLGI Grades** for broad equipment and application compatibility.
- Superior extreme pressure (EP) and anti-wear protection, crucial for components under severe dynamic and static loads common in mining.
- Outstanding resistance to water washout and water spray-off, providing critical protection in wet and muddy mining environments.
- Excellent rust and oxidation inhibitors for long-term protection against corrosive elements and extended lubricant life.
- Forms a tenacious, adhesive film that resists sling-off and provides a barrier against abrasive contaminants ingress like dust and rock fines.

CUSTOMER BENEFITS

- ✓ Maximizes equipment uptime and reliability by providing robust lubrication in severe mining conditions.
- ✓ Significantly extends the life of bearings, bushings, and critical components, reducing costly replacement and maintenance labor.
- ✓ Protects components against rust, corrosion, and wear caused by moisture, abrasive contaminants, and heavy loads.
- ✓ Maintains grease integrity and performance under heavy loads and constant vibration, preventing premature failure.
- ✓ Reduces relubrication intervals due to excellent longevity and tenacious film strength, optimizing maintenance schedules and labor.
- ✓ Helps seal out abrasive dust, dirt, and mud, minimizing internal damage to lubricated parts.

APPLICATIONS

LSG Lithium Complex 150 Grease No. 00, 0, 1 & 2 is ideal for:

- **Haul trucks, excavators, loaders, dozers, and graders:** Wheel bearings, chassis points, pivot pins, and linkages.
- **Crushers, screens, and feeders:** Bearings and vibratory components exposed to high impact and contamination.
- **Conveyor systems:** Idler bearings, rollers, and drive components.
- **Drilling rigs and rock drills:** Lubrication points subjected to high pressure and dust.
- **Underground mining equipment:** LHDs, continuous miners, roof bolters, and shuttle cars.
- **General lubrication points on heavy mining machinery** requiring excellent water and contamination resistance.
- **Applications requiring reliable performance in cold weather or automated lubrication systems.**

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)	150	150	150	150	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
Rust Test	Pass	Pass	Pass	Pass	ASTM D1743
Color	Red	Red	Red	Red	Visual
Texture	Smooth / Tacky	Smooth / Tacky	Smooth / Tacky	Smooth / Tacky	Visual
Water Spray Off Test	-	-	<10%	<10%	ASTM D4049



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>