



LSG CALCIUM SULFONATE COMPLEX 220 5% MOLY GREASE NO. 2

Extreme Protection Calcium Sulfonate Grease with Moly for Severe
high Load Conditions

Formulated to meet the demanding lubrication requirements of
mining equipment

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LONE STAR
GREASE & LUBRICANTS

Is a premium calcium sulfonate complex grease specially engineered to meet the punishing demands of the mining industries. With 5% molybdenum disulfide (moly) added for enhanced load-carrying protection, this grease provides superior performance in severe-duty applications involving extreme pressure, heavy shock loading, and corrosive environments.

Ideal for high-impact components like pins, bushings, fifth wheels, and slow-moving equipment on draglines, shovels, processing equipment and haul trucks, **LSG Calcium Sulfonate Complex 220 5% Moly Grease No. 2** forms a durable solid film that resists wear and prevents metal-to-metal contact even under intense operational environments.

KEY FEATURES

- Calcium sulfonate complex thickener with excellent structural stability.
- Contains 5% molybdenum disulfide (moly) for extreme pressure protection.
- Excellent water resistance and tolerance —ideal for wet or submerged environments.
- High thermal and outstanding oxidation stability.
- Formulated to meet the demanding needs of mining equipment.

Its advanced calcium sulfonate thickener delivers exceptional water resistance and mechanical stability, making it highly effective in wet, dirty, and abrasive conditions—whether underground, in open-pit operations, or drilling. The grease clings firmly to surfaces, resists washout, and provides unmatched protection against rust and corrosion—even in high water or dirty environments.

LSG Calcium Sulfonate Complex 220 5% Moly Grease No. 2 is the go-to solution for operators who demand maximum uptime, reduced maintenance intervals, and robust protection for their critical equipment in the world's most challenging energy and extraction environments.



CUSTOMER BENEFITS

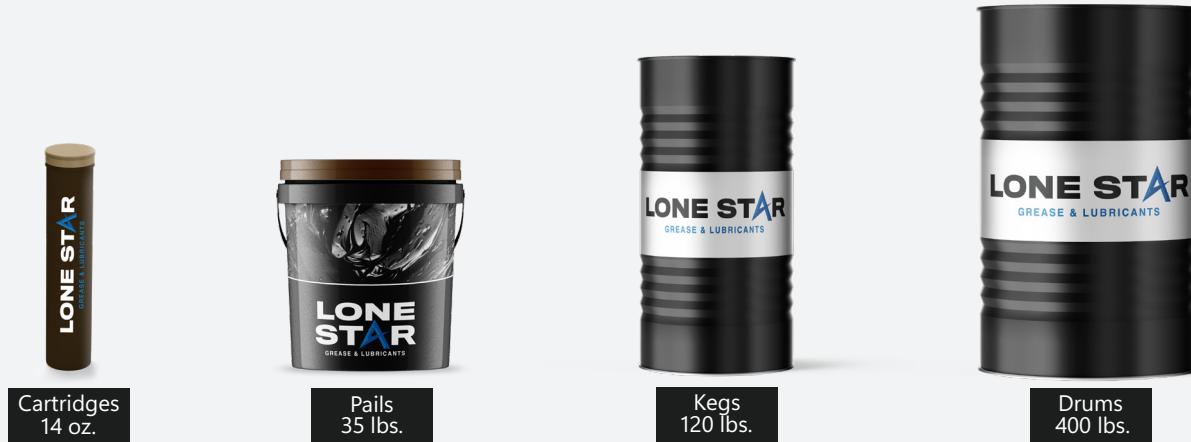
- ✓ Protects under high-load, high-shock conditions to protect key parts.
- ✓ Durable lubricating film formation to prevent metal-to-metal contact leading to reduced wear.
- ✓ Maintains consistency in the presence of water, mud, or contaminants for reliable lubrication.
- ✓ Resists breakdown, extending lubrication intervals for reduced costs.
- ✓ Excellent corrosion resistance in high moisture and outdoor environments to extend equipment life.

APPLICATIONS

LSG Calcium Sulfonate Complex 220 5% Moly Grease No. 2 is recommended for:

- Off-road and mining equipment.
- Heavy-duty construction and mining machinery.
- Bucket pins, bushings, and sliding surfaces.
- Equipment operating in wet, dirty, or humid conditions.
- Universal joints, fifth wheels, and chassis systems.

PACKAGING:



*Custom and Bulk Packaging available upon request.

TYPICAL PROPERTIES

Property	Value	Test Method
NLGI Grade	2	ASTM D217
Worked Penetration (60X)	265–295	ASTM D217
Dropping Point (°C)	>290	ASTM D2265
Base Oil Viscosity @ 40°C (cSt)	220	ASTM D445
Four Ball Weld Load (kg)	620+	ASTM D2596
Four Ball Wear (mm)	0.40	ASTM D2266
Timken OK Load (lbs)	60+	ASTM D2509
Water Washout, % @ 175°F	<1	ASTM D1264
Rust Test	Pass	ASTM D1743
Color	Gray / Black	Visual
Texture	Smooth / Tacky	Visual
Molybdenum Disulfide	5%	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://lonestargrl.com>