

Lotus Lubes™ MolyCAT Grease

PRODUCT DESCRIPTION

LOTUS Lubes™ MolyCAT Grease EP 2 is a premium, high-temperature, lithium complex grease formulated with 3% Molybdenum Disulfide (Moly). Moly reduces the coefficient of friction, and acts as a dry lubricant when required, to deliver optimum film strength and provide added protection of critical metal parts from wear and localized heating under shock load and vibration. It is also formulated with extreme pressure (EP) additives, making it ideal for heavy-load, high-temperature and slow-speed applications found in off-road equipment.

FEATURE & BENEFITS

- * 3% Moly composition meets Caterpillar equipment grease service requirements
- * Aggressive EP and anti-wear agents protect critical components under extreme load
- * Outstanding resistance to corrosion extends equipment life
- * Optimum shock load protection for heavy-duty equipment
- * Excellent high-temperature performance provides resistance to grease softening
- * Oxidation inhibitors maintain maximum protection in extended service
- * NLGI certification GC-LB multi-purpose application for wheel bearing and heavy-duty chassis lubrication
- * Excellent four-ball wear and EP performance delivers maximum protection in severe applications
- * Exceptional film strength for low-speed applications under heavy load
- * Balanced base oil viscosity resists separation while maintaining optimum grease pumpability
- * Special polymers deliver desired tackiness to prevent bearing drop out and resist water washout



TYPICAL PHYSICAL PROPERTIES

| TEST | NLGI Consistency | 2 |
|--------------------------------|------------------|-----------------|
| NLGI Certification | ASTM D 4950 | GC-LB |
| Thickener | Type | Lithium Complex |
| Color | Visual | Black-Grey |
| Texture | Visual | Smooth-Tacky |
| Worked 60 Penetration @ 25°C | ASTM D 217 | 285 |
| Base Oil Viscosity, cSt @ 40°C | ASTM D 445 | 224 |
| Dropping Point, °F | ASTM D 2265 | 500 |
| Four-Ball EP Weld Point, kgf | ASTM D 2596 | 400 |
| Four-Ball Wear, mm | ASTM D 2266 | 0.60 |
| Four-Ball Load Wear Index, kgf | ASTM D 2596 | 50 |
| Timken OK Load, lbs. | ASTM D 2509 | 60 |
| Oil Separation, % | ASTM D 1742 | 1.0 |
| Water Washout @ 80°C, % wt | ASTM D 1264 | <10.0 |
| Rust Protection | ASTM D 1743 | Pass |
| Copper Corrosion | ASTM D 4048 | Pass |

Minor variations in typical physical properties may occur from normal manufacturing processes

APPLICATIONS

LOTUS Lubes™ MolyCAT Grease EP 2 is recommended for use in slow-speed, high-temperature and heavy-load applications found in heavy-duty equipment used in construction, mining and earth moving including:

- * **Disc and drum brake wheel bearings**
- * **Slow-speed, heavy-loaded bearings found in mining, construction and off-road equipment**
- * **Heavy-duty chassis and ball & universal joint lubrication**
- * **Ball and roller bearings**
- * **5thtt wheel lubrication**