



## Almagard® Vari-Purpose Lubricant (3752-3750)

### Long-lasting Red Grease Stays Put & Runs Cool

Customers who rely upon Almagard Vari-Purpose Lubricant appreciate its cool-running, long-lasting, water-resistant performance. It dramatically lengthens grease intervals, eliminates bearing failures, can extend bearing life by up to threefold, and does not harden with age.

Recommended for extended service applications, Almagard is extremely tacky and will not wash off, pound out or melt and run, even in severe conditions. It is ideal for on-and off-road equipment where high impact occurs, as well as many in-plant applications.

#### Beneficial Qualities

##### Withstands Pressure & Reduces Wear

- Demonstrates superior extreme pressure characteristics
- Provides exceptional anti-wear protection
- Exhibits long-lasting mechanical stability, does not change consistency after being worked thousands of times
- Maintains a seal against outside contaminants throughout its lifetime
- Protects costly bearing surfaces – even bronze and alloy – from rust and corrosion

##### Stays Put

- Clings tenaciously to metal, resisting repeated impact

- Won't pound out or sling off
- Stays in contact zone, even in high-moisture environments
  - Won't wash out of bearings

##### Takes the Heat & the Cold

- Performs well in a broad temperature range
- Has a dropping point of up to 282°C (540°F)
- Resists oxidation and won't melt and run from bearings
- 3750 (NLGI Grade 0) offers reliable pumpability at temps as low as -29°C (-20°F)

##### Available Grades

- NLGI 2 (3752)
- NLGI 1 (3751)
- NLGI 0 (3750)



#### Proprietary Additives

LE's proprietary additives are used exclusively in LE lubricants. Almagard Vari-Purpose Lubricant contains Almasol and Quinplex.

**Almasol**® solid wear-reducing additive is able to withstand extremely heavy loads, chemical attack and temperatures up to 1,900°F (1,038°C). It is attracted to metal surfaces, forming a microscopic layer but not building on itself or affecting clearances. Almasol minimizes metal-to-metal contact and the resulting friction, heat and wear.

**Quinplex**® impact-resistant additive contributes to outstanding water resistance, tackiness and enhanced mechanical stability, and helps to form a barrier against corrosion.



## Almagard® Vari-Purpose Lubricant

	<b>3752</b>	<b>3751</b>	<b>3750</b>
<b>Thickener Type</b>	Lithium Complex	Lithium Complex	Lithium Complex
<b>Texture</b>	Smooth w/Tack	Smooth w/Tack	Smooth w/Tack
<b>Color</b>	Red	Red	Red
<b>NLGI Grade</b>	2	1	0
<b>Worked 60 Penetration ASTM D217</b>	275	320	365
<b>Dropping Point °C (°F), ASTM D2265</b>	282 (540)	260 (500)	218 (425)
<b>Base Fluid Characteristics</b>			
<b>Viscosity @ 100°C, cSt, ASTM D445</b>	11.70	11.70	11.70
<b>Viscosity @ 40°C, cSt, ASTM D445</b>	144.0	144.0	144.0
<b>Oxidation drop in psi @ 100 hrs, ASTM D942</b>	5	5	5
<b>Oxidation drop in psi @ 1,000 hrs, ASTM D942</b>	30	—	—
<b>Corrosion Prevention DI H<sub>2</sub>O, ASTM D1743</b>	Pass	Pass	Pass
<b>Corrosion Prevention Sea H<sub>2</sub>O, ASTM D5969</b>	Pass	Pass	Pass
<b>Timken OK Load lbs, ASTM D2509</b>	70	70	70
<b>Water Spray-off % Loss, ASTM D4049</b>	8.6 typical / 20 max.	—	—

### Performance Requirements Met or Exceeded

- 3752: Mack MG-C, Stord Rotadisc-Driers & Sweco-Vibro Equipment

### Recommendations

- 3751 can be used in anti-friction bearings up to 6,000 rpm.
- 3752 can be used in anti-friction bearings up to 3,000 rpm.

### Typical Applications

- Chassis
- Wheel bearings
- Front axle arrangements
- U-joints
- Bucket pins
- Bearings

