



LE PRODUCTS
 MANUFACTURED
 UNDER AN ISO
 9001:2000
 CERTIFIED QUALITY
 SYSTEM

3750-3752 ALMAGARD® VARI-PURPOSE LUBRICANT

An extreme pressure lubricant, for extended service, that won't wash off, pound out, or melt and run, even with extended service in severe conditions.



ALMAGARD Vari-Purpose Lubricants are heavy-duty, multifunctional greases designed for exceptional mechanical stability, excellent extreme pressure and high temperature capabilities. They are ideally suited for general use in industrial plants and perfectly suited to meet the demanding needs of all mobile equipment.

ALMAGARD Vari-Purpose Lubricants contain ALMASOL®, LE's exclusive wear-reducing additive and QUINPLEX® additive, which contributes to outstanding water resistance, tackiness, and enhanced mechanical stability. QUINPLEX helps to form a barrier against corrosion and ensures thorough coupling of oil with the grease base.

USER BENEFITS:

- Excellent water resistance: resists emulsifying, won't wash out of bearings and clings to metal even under water spray.
- Broad temperature range: has a dropping point in excess of 425°F (218°C). Won't melt and run from bearings and has excellent oxidation resistance.
- Very tacky: Has extraordinary adhesion and cohesion (clingability). Won't pound out or sling off due to the inclusion of QUINPLEX additive.
- Superior mechanical stability: ALMAGARD does not change substantially in consistency (soften or harden) after being worked thousands of times. This means it lasts and lasts, and maintains a seal against outside contaminants at all times.
- Exceptional anti-wear protection (EP): A Timken OK Load of 70 lbs. (31.8 kg.) demonstrates the almost unparalleled extreme pressure characteristics ALMAGARD possesses. This is supplemented by the added benefits in wear reduction provided by ALMASOL.
- Rust and corrosion inhibited: Costly bearing surfaces are protected from rust and corrosive attack, even on bronze and alloy bearings.

● Available Grades:

3750	NLGI 0
3751	NLGI 1
3752	NLGI 2

- 3750 ALMAGARD Vari-Purpose Lubricant NLGI Grade 0 offers excellent pumpability at temperatures as low as -20°F (-28°C).

WHAT IS ALMASOL®?

ALMASOL is LE's exclusive wear-reducing additive which has an affinity for metal similar to polar attraction. It attaches itself to working surfaces in a single microscopic layer, yet it will not build on itself or affect clearances. This microscopic layer possesses tremendous load carrying capacity, is impervious to acid attack and minimizes metal-to-metal contact and the resulting friction and wear. When added to LE lubricants, it gives an extra dimension of protection available in no other lubricants.

TYPICAL APPLICATIONS

- Chassis
- Wheel Bearings
- Front Axle Arrangements
- U-joints
- Bucket Pins
- Bearings

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TECHNICAL DATA

PHYSICAL CHARACTERISTICS - TYPICAL:

	<u>3750</u>	<u>3751</u>	<u>3752</u>
NLGI Grade	0	1	2
Worked Penetration @ 77°F (25°C)	355-385	310-340	265-295
Color	Red	Red	Red
Texture	Smooth w/Tack	Smooth w/Tack	Smooth w/Tack
Base Thickener	Lithium Complex	Lithium Complex	Lithium Complex
Dropping Point °F (°C)	425 (218)	500 (260)	540 (282)
Base Oil:			
Viscosity,			
SUS @ 100°F	665	665	665
SUS @ 210°F	66.2	66.2	66.2
cSt @ 40°C	144	144	144
cSt @ 100°C	11.7	11.7	11.7

PERFORMANCE TEST REQUIREMENTS

Timken OK Load lbs., ASTM D-2509	70	70	70
Oxidation, psi drop, ASTM D-942			
In 100 hours	5	5	5
In 1,000 hours	—	—	30
Rust Test, ASTM D-1743			
With Distilled Water	Pass	Pass	Pass
With Synthetic Sea Water	Pass	Pass	Pass
Resistance to Water Spray, ASTM D-4049,			
% Loss	—	—	20 max.
Roll Stability, %, ASTM D-1831	—	5	—
Water Washout, %, ASTM D-1264	—	—	1.6

SPECIFICATIONS EXCEEDED

Mack MG-C (3752)
USDA H2

Stord Rotadisc-Driers (3752)
SWEVO-Vibro Equipment (3752)

RECOMMENDATION

3752 should not be used in high-speed (over 3,000 rpm) anti-friction bearings.
3751 should not be used in high-speed (over 6,000 rpm) anti-friction bearings.



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