



Almagard® Vari-Purpose Lubricant (3752, 3751 & 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

	3752	3751	3750
Thickener Type	Lithium Complex	Lithium Complex	Lithium Complex
Texture	Smooth w/Tack	Smooth w/Tack	Smooth w/Tack
Color	Red	Red	Red
NLGI Grade	2	1	0
Worked 60 Penetration ASTM D217	275	320	365
Dropping Point °C (°F), ASTM D2265	282 (540)	260 (500)	218 (425)
Base Fluid Characteristics			
Viscosity @ 100°C, cSt, ASTM D445	11.70	11.70	11.70
Viscosity @ 40°C, cSt, ASTM D445	144.0	144.0	144.0
Oxidation drop in psi @ 100 hrs, ASTM D942	5	5	5
Oxidation drop in psi @ 1,000 hrs, ASTM D942	30	—	—
Corrosion Prevention DI H₂O, ASTM D1743	Pass	Pass	Pass
Corrosion Prevention Sea H₂O, ASTM D5969	Pass	Pass	Pass
Timken OK Load lbs, ASTM D2509	70	70	70
Water Spray-off % Loss, ASTM D4049	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



LI30028 05-10

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Your file / Votre référence

Our file / Notre référence

11 January 2002

3100-3/L046

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RE/OBJET: L046 Lubrication Engineers Inc.
Wichita, Kansas 67216, U.S.A.

11/01/02	n1	300 Monolec Industrial Lubricant
11/01/02	n1	605 Almasol Vari-Purpose Gear Lubricant
11/01/02	n1	606 Almasol Vari-Purpose Gear Lubricant
11/01/02	n1	607 Almasol Vari-Purpose Gear Lubricant
11/01/02	n1	608 Almasol Vari-Purpose Gear Lubricant
11/01/02	n1	609 Almasol Vari-Purpose Gear Lubricant
11/01/02	n1	1232 Almatek General Purpose Lubricant
11/01/02	n1	1275 Almaplex industrial Lubricant
11/01/02	n1	3750 Almagard Vari-Purpose Lubricant
11/01/02	n1	3751 Almagard Vari-Purpose Lubricant
11/01/02	n1	3752 Almagard Vari-Purpose Lubricant
11/01/02	n1	6401 Monolec R&O Compressor/Turbine Oil
11/01/02	n1	6402 Monolec R&O Compressor/Turbine Oil
11/01/02	n1	6403 Monolec R&O Compressor/Turbine Oil
11/01/02	n1	6404 Monolec R&O Compressor/Turbine Oil
11/01/02	n1	6405 Monolec R&O Compressor/Turbine Oil
11/01/02	n1	6406 Monolec R&O Compressor/Turbine Oil
11/01/02	n1	6407 Monolec R&O Compressor/Turbine Oil

This will acknowledge your letter dated 12/12/01 concerning the aforementioned products for which acceptance has been requested for use in Registered Establishments.

Nous accusons réception de votre lettre datée du 12/12/01 concernant les produits en rubrique dont vous demandez l'autorisation pour l'usage dans les établissements agréés.

The final printing of your labels has been reviewed and the contents, as they apply to the use in connection with food in Registered Establishments, appear satisfactory. No objection, therefore, will be taken to the use of the above products in Registered Establishments provided that they are used in keeping with the instructions outlined on the labels.

Les épreuves finales des étiquettes ont été revues et le contenu nous apparaît acceptable en ce qui a trait à l'utilisation des produits en relation avec les denrées alimentaires. Nous ne nous opposerons pas à ce que les établissements agréés utilisent les produits en question, à condition qu'ils soient utilisés conformément selon les recommandations d'application indiquées sur l'étiquette.

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Canada

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This acceptance is not to be misconstrued as an endorsement for this or similar products. Their use in Registered Establishments will depend upon their continued acceptability to all concerned.

La présente ne doit pas être interprétée comme une acceptation inconditionnelle du produit ou de produits similaires dont l'emploi dans les établissements agréés dépendra du degré de satisfaction des intéressés.

Should any changes occur either in the formulations, or in the labeling format, then this acceptance shall be considered **NULL and VOID**.

Cette acceptation sera considérée comme **NULLE** si l'on y apporte une modification quelconque dans la préparation commerciale ou sur les étiquettes.

Yours truly,

Je vous prie d'agréer l'expression de nos sentiments les meilleurs.

Agent de Programmes
Produits chimiques non alimentaires & intégrité des contenants
Direction des politiques, de la planification et de la coordination
Division des sciences

J.J. Donald
Program Officer
Non-Food Chemicals & Container Integrity
Policy, Planning and Coordination Directorate
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JJD/sb

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