



# TECHNICAL DATA BULLETIN

## 4622 MONOLEC® Multiplex Lubricant

### DESCRIPTION:

High quality, lithium-complex grease that meets the requirements of the NLGI GC-LB specification. Works well in plain and anti-friction bearings. Has excellent low temperature pumpability. Perfect for use in industrial, fleet and automotive applications calling for an EP (extreme pressure) grease. It has good mechanical stability, a high dropping point, corrosion resistance and extreme pressure performance. Contains MONOLEC®, LE's exclusive wear-reducing additive.

### PHYSICAL CHARACTERISTICS – TYPICAL:

NLGI Grade	2
Base Oil	
Viscosity	
SUS @ 100°F	680.8
SUS @ 210°F	67.32
cSt @ 40°C	129.4
cSt @ 100°C	12.00
Texture	Smooth
Worked Penetration @ 77°F (25°C)	265-295
Dropping Point °F (°C)	510 (266)
Thickener Type	Lithium-Complex
Color	Red

### PERFORMANCE TEST RESULTS – TYPICAL:

Timken OK Load, Lbs (ASTM D-2509)	60
Four Ball Wear, mm (ASTM D-2266)	0.59
Four Ball Weld Point, Kg (ASTM D-2783)	400
Load Wear Index	59
Rust Prevention (ASTM D-1743)	Pass
Fretting Wear Protection, mg loss (ASTM D-4170)	7
Low Temp Torque, NM (ASTM D-4693)	14.5
Water Washout, % Loss @ 80°C (ASTM D-1264)	12
High Temperature Life, hrs (ASTM D-3527)	100.3
Oil Separation, % Loss (ASTM D-1742)	3.1
Leakage Tendencies, g (ASTM D-4290)	6
Elastomer Compatibility (ASTM D-4289)	
CR Elastomer	
Volume Change	Pass
Hardness Change	Pass
NBR-L Elastomer	
Volume Change	Pass
Hardness Change	Pass

### SPECIFICATIONS EXCEEDED:

NLGI GC-LB

ASTM D-4950

SAE J-310

**LUBRICATION ENGINEERS, Inc.**

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**LE PRODUCTS MANUFACTURED UNDER AN  
ISO 9001 CERTIFIED QUALITY SYSTEM**

**APPLICATION:**

Chassis, wheel bearings, front axle arrangements, U-joints, general industry, electric motors, pillowblock bearings, marine, fleet, farm or any applications requiring a lithium-complex, extreme pressure (EP) grease.

**BENEFICIAL QUALITIES:**

Designed to meet the requirements for in-plant and rolling stock applications.

Pumps easily at low temperatures.

Contains extreme pressure and anti-wear additives to provide equipment protection.

Timken OK Load of 60 lbs.

Protects bearings from rust and corrosion.

Possesses a high dropping point.

Excellent oxidation resistance.

NLGI GC-LB rated. Excellent long life chassis and wheel bearing grease.

Excellent for wheel bearings with disc brakes.

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