



LMX[®] “Red” Grease Biobased Lubricating Grease

Part No: 10320, 10321, 10322, 10323, 10324

DESCRIPTION

LMX[®] “Red” Grease is a premium quality biobased, biodegradable, water resistant grease formulated from USA-grown vegetable oils and a lithium complex-based thickener and extreme pressure additives for maximum performance.

APPLICATIONS

- ▶ Ideal for wheel bearings, trailer bearings, chassis and 5th wheel applications
- ▶ Recommended for automotive and truck fleet, farm and industrial applications
- ▶ Excellent for extreme pressure applications
- ▶ Prevents rust and corrosion
- ▶ Designed for protection between all metal to metal contact areas
- ▶ Recommended for environmentally sensitive areas near waterways
- ▶ Replaces and mixes freely with petroleum based grease

BENEFITS

- ▶ Excellent oxidative and high-temperature stability
- ▶ Contains extreme pressure additives to minimize friction and wear
- ▶ Superior lubricity reduces heat and lessens energy consumption
- ▶ Higher flash point than petroleum based greases for increased safety
- ▶ Meets EPA’s Environmental Preferable Purchasing (EPP) criteria
- ▶ USDA BioPreferred[™] listed and approved
- ▶ Manufactured from renewable USA-grown crop based oils

PERFORMANCE LEVELS

- ▶ Meets NLGI “GC-LB” classification for wheel bearing and chassis lubricant
- ▶ Operating temperature range -40°F (-40°C) to +427°F (+219°C)

TYPICAL PROPERTIES

| Property | Method | Value |
|-----------------------------------|---------------|-----------|
| Appearance | visual | Red |
| NLGI Grade | 2 | |
| Cone Penetration, worked 60X | ASTM D-217 | 260-290 |
| Four Ball Wear Scar (mm) | ASTM D-2266 | 0.47 |
| Four Ball Weld Load (kg) | ASTM D-2596 | 500 |
| Four Ball Load Wear Index (kg) | ASTM D-2596 | 60 |
| Timken OK Load (lbs.) | ASTM D-2509 | 40 |
| Drop Point °C (°F) | ASTM D-2265 | 275 (527) |
| Oil Separation | ASTM D-1742 | <3% |
| Water Resistance @80°C (% loss) | ASTM D-1264 | 11.6% |
| Base Oil Viscosity at 40°C (cSt) | ASTM D-445 | 86 |
| Base Oil Viscosity at 100°C (cSt) | ASTM D-445 | 16 |
| Base Oil Viscosity Index | ASTM D-2270 | 202 |
| Base Oil Flash Point °C (°F) | ASTM D-92 | 326 (619) |
| Base Oil Biodegradability | OECD | Pass |
| Base Oil Aquatic Toxicity | Daphnia Magna | Non-toxic |

PACKAGING

| | | |
|-----------------|--------------------|-------------------|
| 14-oz Cartridge | 35-lb Plastic Pail | 400-lb Metal Drum |
| 16-oz Tub | 120-lb Metal Drum | |

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