

PremalubeTM

**Multi-Purpose, Heavy Load,
Extreme Pressure, High
Temperature Grease
NLGI #1, #2, #3**

CERTIFIED



**Provides superior protection for equipment
against, heavy loads, dirt, dust, water, and heat.**

**Heavy duty aluminum complex grease
specifically formulated for construction
and heavy industrial equipment.**

Provides Superior Equipment Protection for

- | | |
|--------------------------------------|-------------------------------------|
| ❖ Industrial Manufacturing | ❖ Construction, Mining, Agriculture |
| ❖ Food processing | ❖ Excavation & Demolition |
| ❖ Steel Mills & Foundries | ❖ Utility Construction |
| ❖ Paper mills, printing, & packaging | ❖ Concrete & Asphalt Paving |
| ❖ Federal, State & Local Agencies | |

Meets or Exceeds the Following Performance Requirements

- US Steel Mill Grease Specifications
 - Roll Neck Grease, Req. No. 340
 - Extreme Pressure Grease Req. No. 350
 - Extra Duty EP Grease. Req. No. 352
 - Extreme-Temp. Req. No. 355, 370, & 372
 - Ball and Roller Bearing, Req. No. 371
 - Mill Utility Grease Req. No. 375
- Military Spec. MIL-G-23549C
- Case 251H EP
- Caterpillar MPG
- Ford M1693A

- **Stays in Place to Prevent Wear Under Heavy-Load Conditions**
- **Exceptional Heat Reversion Properties**
- **Contains Molybdenum Disulfide to Minimize Abrasive Wear Caused by Dirt and Dust**
- **Superior Water Resistance**
- **Prevents Rust and Corrosion**
- **Reduces Grease Inventory to Save Money**
- **Excellent High Temperature Performance** - NLGI #2 remains effective 300°F (148°C) continuous and 400°F (204°C) intermittent with monitored lubrication.
- **Also Available in a Red Formula NLGI #2, 1**

PREMALUBE and PREMALUBE RED contain a total additive package that sets it apart from other greases.



Additives	User Benefits
Premium Grade Base Oil	Superior grade, highly-refined base oil resists oxidation and high-temperature breakdown to maintain better lubricity.
Aluminum Complex Base	Withstands high heat - the only grease base with heat revision characteristics. Resists water washout.
Molybdenum Disulfide	Layered solid lubricant that plates on metal surfaces to provide excellent protection against wear on heavily loaded surfaces and in dusty, dirty environments.
Adhesive and Cohesive Polymers, Tackiness Agents	Highly-elastic polymers hold grease together and in place to prevent the entry of contaminants, squeeze-out, channeling and sling-off.
Rust and Corrosion Inhibitors	Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
Extreme Pressure (EP) Agents	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
Anti-Wear and Friction Reducing Agents	Prevents metal-to-metal contact, two-surface wear, vibration and chatter. Keeps high friction surfaces, such as bearings, properly lubricated to prevent metal loss, downtime, and replacement expenses.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Shock Load Reducers	Cushions impact to minimize the stress, vibration, and chatter that can occur under heavy loads and during start-stop operations.
Molysoil™	Clear, synthetic moly that provides a non-staining barrier film for excellent heavy load protection. Provides the benefits of moly without the black.
Graphite	Layered solid that provides added protection at high temperatures and improves lubrication in wet conditions.
Polymite™	Provides the thermal stability and water wash-out properties of graphite without the black color.

Physical Properties					
Description	#2	#1	#3	Red #2	Red #1
Pounds per Gallon	8.34	7.5	8.34	6.88	8.34
Evaporation Rate	N/D	<0.01	N/D	<1	<0.011
Timken, OK Load, LB	65	65	65	60	60
4 Ball Wear, MM	0.4	0.4	0.4	0.73	0.69
4 Ball Weld Point, KG	800	800	800	400	250
Load Wear Index	101	100	101	53.4	28.25
Oxidation Stability 100 Hrs @210F PSI	2	2	2	2	3
Oxidation Stability 500 Hrs @40F PSI	8	8	8	7	9
Maximum Continuous Temperature °F (°C)	275 (135)	275 (135)	275 (135)	275 (135)	275 (135)
Maximum Temperature °F (°C)	400 (204)	400 (204)	400 (204)	400 (204)	400 (204)
Rust Test	Pass	Pass	Pass	Pass	Pass
Copper Corrosion	1B	1B	1B	1B	1B
Heat Reversion	Excellent	Excellent	Excellent	Excellent	Excellent
Base Oil Viscosity SUS at 100F Maximum	1230	750	1230	1250	750
Base Oil Viscosity SUS at 210F Minimum	80.5	41.5	80.5	80	41.5
Pour Point °F (°C)	-20 (-28)	-20 (-28)	-20 (-28)	-20 (-28)	-20 (-28)
VOC %	0	0	0	0.05	0
Penetration @ 77F 60 Strokes	265-285	310-340	220-250	265-295	310-340
Penetration Change after 10,000 strokes, %	5.22	6.8	5.6	5.6	4.2
Dropping Point °F (°C)	500+ (260+)	500 (260)	500+ (260+)	500+ (260+)	475 (246)
Water Washout	3% Max	3% Max	3% Max	2.5% Max	4.5% Max

Ideal for use on: bearings, journals, couplings, gears requiring grease, universal joints, rollers, conveyors and any other rolling or sliding surface.

Do not use on: bearings that exceed 4500 RPM, or applications with operating temperatures above 500°F (260°C). For grease recommendations refer to Certified DN chart.