



Premalube™ Xtreme

**Extreme Duty, Multi-Purpose,
Synthetic Blend Grease**

NLGI # 2



Extreme duty calcium sulfonate grease specifically formulated for construction and heavy industrial equipment.

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

PRODUCT OF CHOICE FOR EXTREME APPLICATIONS

Provides Superior Equipment Protection for:

- Industrial Manufacturing
- Food Processing
- Steel Mills & Foundries
- Paper Mills, Printing, & Packaging
- Construction, Mining, Agriculture
- Excavation & Demolition
- Utility Construction
- Concrete & Asphalt Paving
- Federal, State & Local Agencies



- Patented (patent #5,126,062) Synthetic Blend Calcium Sulfonate Grease
- Protects and Stays in Place Under Severe Load Conditions
- Contains High Concentration of Moly and Graphite to Reduce Heat, Friction and Abrasive Wear.
- Lasts 2 to 5 Times Longer Than Conventional Greases.
- Superior Water Resistance- won't wash out during operation, even when totally submerged.
- Bearing Speeds Up to 20,000 RPM's and DN rating up to 300,000 at 180 °C
- Reduces Grease Inventory to Save Money
- Wide Operating Temperature Range – NLGI #2 remains effective to 204°C continuous and 240°C intermittent with monitored lubrication, and down to - 23°C.

• **Also Available in a Green Formula NLGI #2**

Premalube Xtreme Meets or Exceeds these 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
- Federal Specification VV-G-632b
- CASE 251H EP
- Caterpillar MPG
- Chrysler MS 3551E (Part # 2264833)
- General Motors Specification GM 6031-M
- DIN 51 825, DIN 51 818

USDA H2



PREMALUBE XTREME and **PREMALUBE XTREME GREEN** contain a total additive packages that sets them apart from other greases.

Additives

User Benefits

Calcium Sulfonate Base	Extremely water resistant, heavier than water to resist washouts even in submerged environments. Withstands high heat and provides additional extreme pressure protection under heavy loads.
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 Agents	Forms a lubricant film on metal surfaces in presence of heavy loads and high temperatures. Prevents cold welding.
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.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
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.
Graphite	Layered solid that provides added protection at high temperatures and improves lubrication in wet conditions.

Moly & Graphite : Present only in Extreme Black

PHYSICAL PROPERTIES

Description	Premalube Xtreme #2	Premalube Xtreme Green #2
Penetration ASTM D 217	274	288
Multistroke penetration ASTM D 217	280	295
Wheel bearing leakage ASTM D 1263	0.3	0.3
Water washout ASTM D 1264	<0.1%	<0.1%
Pressure Oil separation ASTM D 1742	0.02	0.02
Four-ball Index ASTM D 2596	101	101
Four-ball (weld) ASTM D 2596	1000+	1000+
Four-ball (wear scar) ASTM D 2596	0.341	0.344
Timken method ASTM D 2509	70	70
Rust test ASTM D 1743	Pass	Pass
Copper corrosion ASTM D 130	1B	1B
Low Temperature Limit (C)	-23	-23
Dropping Point ASTM D 2265	575	575
High Temperature Limit @	260	260
Base Oil Viscosity @40C	113	110.87
Base Oil Viscosity @100C	12.1	11.96
Base Oil Viscosity Index	96	97

Ideal for use on: Heavy industrial equipment exposed to high/low temperatures, Babbit bearings, high speed wheel bearings, anti-friction bearings, open gears, turbine pumps, paper and pulp mills, steel mills, chemical plants, and waste water plants. Construction equipment, sewage treatment plants, irrigation equipment, non-domestic water pumps, wet mining, scroll saws, kiln cars. High speed wheel bearings, boat trailer bearings, sleeve bearings, chassis, utility trucks, buses. Sea-going vessels, coastal and wharf equipment, inland waterway applications.

Do not use on: any application with a continuous temperature exceeding 204°C or 240 °C intermittently without monitored lubrication. For grease recommendations refer to Lubemaster DN chart.

**PREMALUBE XTREME
Limited Warranty**

Under operating conditions of all types, customers find that PREMALUBE XTREME lasts from 2 to 5 times longer than conventional greases.

The LubeMaster division of Certified Laboratories is so confident PREMALUBE XTREME will last longer in your operations, that we will replace the amount of PREMALUBE XTREME in your equipment at NO CHARGE if it does not extend regreasing intervals by *at least twice* the equipment manufacturer's recommended interval.