

# Premalube Xtreme Food Grade

White, Extreme Load  
& Pressure, High  
Temperature Food  
Grade Grease  
NLGI #2



**Extreme duty calcium sulfonate food grade grease specifically formulated for equipment requiring an NSF H1 grease.**

Provides Superior Equipment Protection for

- ❖ Food processing plants
- ❖ Bottling Plants
- ❖ Dairies
- ❖ Industries Requiring H1 Lubricants
- ❖ Meat & Poultry Packing Plants
- ❖ Breweries & Canneries
- ❖ Water Utilities

**Provides superior protection for equipment against, extreme loads, contaminants, heat, and high speed wear.**

## Meets or Exceeds the Following Performance Requirements

- Passes U.S.P. REQUIREMENTS
- FDA REGULATIONS, Part 21, CFR 178.3570
- Surpasses US Pharmacopoeia Standards for Neutrality, Sulfur Compounds, Solid Paraffins and Carbonizable Substances
- USDA H1



- **Patented Calcium Sulfonate Grease**
- **Protects and Stays in Place Under Severe Load Conditions**
- **Lasts 2 to 5 Times Longer Than Conventional Food Grade Greases.**
- **Superior Water Resistance-** will not washout or float off surfaces, even during equipment wash downs.
- **Bearing Speeds Up to 20,000 RPM's.**
- **Reduces Grease Inventory to Save Money**
- **Wide Operating Temperature Range** – remains effective to 400°F (204°C) continuous and 500°F intermittent with monitored lubrication, and down to -10°F (-23°C).



**PREMALUBE XTREME FOOD GRADE grease contain a total additive package that sets it apart from other greases.**



Additives	User Benefits
<b>Food Grade Calcium Sulfonate Base</b>	Food grade thickener that is 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.
<b>Premium Food Grade Base Oil</b>	Highly refined superior food grade base oil resists oxidation and provides superior protection in high operating temperatures.
<b>Adhesive &amp; Cohesive Polymers, Tackiness Agents</b>	Highly-elastic polymers hold grease together and in place to prevent the entry of contaminants, squeeze out, channeling and sling-off.
<b>Rust &amp; Corrosion Inhibitors</b>	Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
<b>Extreme Pressure (EP) Agents</b>	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
<b>Anti-Wear Agents</b>	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
<b>Oxidation Inhibitors</b>	Extends service life of the lubricant by retarding the oxidation or breakdown process.
<b>Shock Load Reducers</b>	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
<b>Friction Reducers</b>	Plats out on metal surfaces to prevent friction and wear under heavy loads

Physical Properties	
Timken method ASTM D 2509, Lbs.	65
Four-ball EP ASTM D 2596, load wear index, Kgf.	62
Four-ball EP ASTM D 2596, weld point, Kgf.	500
Four-ball Wear ASTM D 2266, scar diameter, mm	0.38
Oil separation ASTM D 1742, mass %	0.2
Wheel Bearing Leakage, ASTM D 4290, grams.	4
Rust Test Rating, ASTM D 1743, rating	PASS
Salt Fog, ASTM B 117, hours to failure, 1 mil d.f.t..	300+
Bearing Life, ASTM D 3527, hours.	120
Bomb Oxidation, ASTM D 942, psi drop after 1000 hours	9
Worked Stability, ASTM D 217, % change from baseline – worked 100,000 strokes	2.5
Worked Stability, ASTM D 217, % change from baseline – worked 100,000 strokes, with 50/50 water mixture	8
Shell Roll, ASTM D 1831, % change from baseline	3.1
Water Washout, ASTM D 1264, 79 deg. C, % loss.	3.5
Low Temperature Torque, ASTM D 4693, at -40 deg. C, N.m.	10

**Ideal for use on: seamers, conveyor parts, rollers, bearings, gears, guide rails, grid belts, cams, casters, sprockets, stirrups, plungers, slide, cookers.**

**Do not use on: applications with operating temperatures above 500°F (260°C)**