



**ULTREX™**

## Synthetic Blend Grease NLGI #1 - Cold Weather

BULLETIN 87100e



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

### PRODUCT OF CHOICE FOR EXTREME APPLICATIONS

**P**rovides Superior Equipment Protection for TESCO Mud Saver Valves.

- Patented 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 20,000RPM's.
- Reduces Grease Inventory to Save Money
- Wide Operating Temperature Range- NLGI #1 remains effective to 204°C (400°F) continuous and 260°C (500°F) Intermittent With Monitored Lubrication, and Down to -28°C (-20°F).

### 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
- Federal Specification VV-G-632a
- CASE 251H EP
- Caterpillar MPGM
- Chrysler MS 3551E
- General Motors Specification GM 6031-M
- DIN 51 825, DIN 51 818

### Part Number Order Information:

Case Lot (48Tubes)	#731142-48T
Bulk 181.4 kg (400 lb) Drum	#731142-400LB
Bulk 54.4 kg (120 lb) Keg	#731142-120LB
Bulk 15.8 kg (35 lb) Pail	#731142-35LB

## A TOTAL ADDITIVE PACKAGE THAT SETS IT APART FROM ALL OTHER GREASES

### ADDITIVES

#### 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 the 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.

## PHYSICAL PROPERTIES

<b>PROPERTIES GREEN:</b>	<b># 1</b>
<b>Penetration ASTM D 217:</b>	313
<b>Multistroke penetration ASTM D 217:</b>	325
<b>Wheel bearing leakage ASTM D 1263:</b>	NA
<b>Water washout ASTM D 1264:</b>	<0.2%
<b>Pressure Oil separation ASTM D 1742:</b>	0.5
<b>Four-ball Index ASTM D 2596:</b>	101
<b>Four-ball (weld) ASTM D 2596:</b>	1000+
<b>Four-ball (wear scar) ASTM D 2596:</b>	0.41
<b>Timken method ASTM D 2509:</b>	60
<b>Rust test ASTM D 1743:</b>	Passed
<b>Copper corrosion ASTM D 130:</b>	1B
<b>Low Temperature Limit:</b>	-28°C (-20°F)
<b>Dropping Point ASTM D 2265:</b>	302°C (575°F)
<b>High Temperature Limit:</b>	260°C (500°F)
<b>Base Oil Viscosity @ 40°C(104°F):</b>	110.87

## USED FOR:

Heavy industrial equipment exposed to high/low temperatures, 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.

## NOT FOR:

Any application with a continuous temperature exceeding 260°C or 500°F intermittently without monitored lubrication.

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