

## **TIMKEN® TACKY MILL GREASE (NLGI Grade 2)** **Lubricating Grease**

### **Part Numbers**

GR183D                      180 kg (400 lb) drum

### **Product Description and Intended Use**

Timken Tacky Mill Grease is an NLGI No. 2 high performance lubricating grease used when resistance to water washout and broad operating temperatures are absolutely necessary. The formulation of this product provides unsurpassed resistance to extreme pressures and corrosion (including salt spray), as well as exceptional mechanical stability even in the presence of water. Timken Mill Grease is highly recommended for steel mill and paper mill applications. It contains no heavy metals or other environmentally undesirable additives.

### **Product Application**

Timken Tacky Mill Grease can be applied from ambient temperatures of - 10° F to + 400° F (- 23° C to + 204° C) depending on lubrication system design and method of application. Timken Mill Grease has an operating range of - 40° F to + 400° F (- 40° C to + 204° C) once in the application (depending on frequency of application). Follow equipment manufacturer's recommendations concerning lubrication frequencies.

### **Compatibility of Grease**

Timken Tacky Mill Grease is generally compatible with calcium, calcium 12-OH stearate, calcium complex, calcium sulfonate, lithium, lithium complex and polyurea thickened greases. Timken recommends that all grease be removed from the application prior to changing greases. Then the lubrication interval is reduced by half for the first lubrication cycle before resuming the normal lubrication interval.

### **Handling and Storage**

Store in a dry area away from heat and open flame. See Material Safety Data Sheet for more information.

### **Shipping and Disposal Information**

Follow governmental regulations pertaining to the shipping and disposal of this product. Do not reuse container. See Material Safety Data Sheet for more information.

**TIMKEN<sup>®</sup> TACKY MILL GREASE****Product Specifications – Typical**

|   |                 |
|---|-----------------|
| Texture   | Tacky           |
| Color   | Beige           |
| NLGI Grade  | 2               |
| Penetration, Unworked ASTM D 217                            | 290-320         |
| Penetration, Worked 60 Strokes, ASTM D 217                  | 290-320         |
| Penetration Change, 100000 Strokes, ASTM D 217              | +/- 5 %         |
| Wheel Bearing, ASTM D 1263, Modified 325°F (163° C)         | 0.4 Grams       |
| Dropping Point, ASTM D 2265                                 | 536° F (280° C) |
| Oxidation Stability, ASTM D 942, 100 hours at 99° C         | 3 psi (20 kPa)  |
| Four-Ball Wear, ASTM D 2266, 40 kg, 1200 RPM, 75°C, Scar mm | 0.43 max.       |
| Four-Ball EP, Weld Point, ASTM D 2596, kgf                  | 800             |
| Timken OK Load, ASTM D 2509, Pounds                         | 60              |
| Copper Strip Corrosion, ASTM D 4048                         | 1b              |
| Corrosion Preventive Properties, ASTM D 1743                | Pass            |
| Oil Separation, ASTM D 1742                                 | 0.2 %           |
| Water Washout, ASTM D 1264, 175°F (79° C), % Loss           | 2.00            |
| Salt Fog Test, B-117, hours                                 | +2,500          |
| Base Fluid Properties:                                      |                 |
| Viscosity @ 100° C, ASTM D 445, Centistokes                 | 30 – 34         |
| Viscosity @ 40° C, ASTM D 445, Centistokes                  | 430 – 490       |
| Viscosity Index   | 95              |
| Pour Point, ASTM D 97                                       | - 20° C         |
| Flash Point, ASTM D 92                                      | 271° C          |