

# **TIMKEN® BALL BEARING ELECTRIC MOTOR GREASE**

## **Lubricating Grease**

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

TIMKEN Ball Bearing Electric Motor Grease is an NLGI No. 2 polyurea thickened grease specifically designed for the lubrication of high speed ball bearings in applications such as alternators, generators, starters, electric motors and other long life applications. TIMKEN Ball Bearing Electric Motor Grease does not contain extreme pressure additives as required by many electric motor bearing manufacturers, but is inhibited against rust and oxidation.

### **Product Application**

TIMKEN Ball Bearing Electric Motor Grease can be applied from ambient temperatures of - 30° F to + 325° F (- 34° C to + 163° C) depending on lubrication system design and method of application. TIMKEN Ball Bearing Electric Motor Grease has an operating range of - 40° F to + 325° F (- 40° C to + 163° C) once in the application. Follow equipment manufacturer's recommendations concerning lubrication frequencies.

### **Compatibility of Grease**

TIMKEN Ball Bearing Electric Motor Grease is generally compatible with calcium sulfonate 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.

The technical data contained herein is intended for reference only. The Timken Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of The Timken Corporation's products and disclaims any liability for consequential or incidental damages of any kind whatsoever.

## **TIMKEN® BALL BEARING ELECTRIC MOTOR GREASE**

### **Product Specifications – Typical**

|   |              |
|---|--------------|
| Color   | Blue-Green   |
| NLGI Grade  | 2            |
| Thickener Type                                      | Polyurea     |
| Penetration, Unworked, ASTM D 217                   | 220 Min.     |
| Penetration, Worked 60 Strokes, ASTM D 217          | 265-295      |
| Penetration Change, 100000 Strokes, ASTM D 217      | 340-380      |
| Wheel Bearing Leakage, ASTM D 1263                  | 5 Grams Max. |
| Dropping Point, ASTM D 2265                         | > 260° C     |
| Oxidation Stability, ASTM D 942, 100 hours at 99° C | 5            |
| Copper Strip Corrosion, ASTM D 4048                 | 1a           |
| Corrosion Preventive Properties, ASTM D 1743        | Pass         |
| Oil Separation, ASTM D 1742                         | 0.5          |
| Water Washout, ASTM D 1264, 175° F (79° C), % Loss  | 5            |
| Bearing Life, ASTM D 3336, 300° F, Hours            | 3,000        |
| Base Fluid Properties:                              |              |
| Viscosity @ 100° C, ASTM D 445, Centistokes         | 9-13         |
| Viscosity @ 40° C, ASTM D 445, Centistokes          | 95-110       |
| Viscosity Index                                     | 95           |
| Flash Point, ASTM D 92                              | 255° C       |
| Pour Point, ASTM D 97                               | - 15° C      |

Date: August 18, 2003, Revised July 11, 2005

Product: TIMKEN Ball Bearing Electric Motor Grease

CT Part Number: 344400