

## **TIMKEN® AUTOMOTIVE WHEEL BEARING GREASE**

### **Lubricating Grease**

#### **Part Numbers**

GR224C 400 g (14 oz) cartridge  
GR224T 454 g (1 lb) tub

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

TIMKEN Automotive Wheel Bearing Grease is an NLGI No. 2 lithium complex lubricating grease for light to medium duty applications. This product has good high temperature characteristics and contains extreme pressure and anti-wear additives as well as corrosion inhibitors to provide protection in a variety of automotive applications. TIMKEN Automotive Wheel Bearing Grease meets the requirements for extended lubrication intervals of automotive chassis points and wheel bearings with disc brakes. TIMKEN Automotive Wheel Bearing Grease meets NLGI certification GC-LB.

#### **Product Application**

TIMKEN Automotive Wheel Bearing Grease can be applied from ambient temperatures of - 18° F to + 300° F (- 28° C to + 149° C) depending on lubrication system design and method of application. TIMKEN Automotive Wheel Bearing Grease has an operating temperature range of - 40° F to + 300° F (- 40° C to + 149° C) once in the application. Follow equipment manufacturer's recommendations concerning lubrication frequencies.

#### **Compatibility of Grease**

TIMKEN Automotive Wheel Bearing Grease is generally compatible with calcium, calcium 12-OH stearate, calcium sulfonate, lithium and lithium complex 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 after use. See Material Safety Data Sheet for more information.

**TIMKEN® AUTOMOTIVE WHEEL BEARING GREASE****Product Specifications – Typical**

Color	Red
NLGI Grade	No. 2
Thickener Type	Lithium Complex
Penetration, Unworked, ASTM D 217	265-295
Penetration, Worked 60 Strokes, ASTM D 217	285
Penetration Change, 100000 Strokes, ASTM D 217	+/- 4 %
Wheel Bearing, ASTM D 1263	5 Grams Max.
Dropping Point, ASTM D 2265	280° C Min.
Oxidation Stability, ASTM D 942, 100 hours at 99° C	3 psi
Four-Ball Wear, ASTM D 2266, 40 kg, 1200 RPM, 75° C, Scar mm	0.50 Max.
Four-Ball EP, Weld Point, ASTM D 2596, kgf	400 Min.
Timken OK Load, ASTM D 2509, Pounds	65
Copper Strip Corrosion, ASTM D 4048	1b
Corrosion Preventive Properties, ASTM D 1743	Pass
Oil Separation, ASTM D 1742	1 % Max.
Base Fluid Properties:	
Viscosity @ 100° C, ASTM D 445, Centistokes	14
Viscosity @ 40° C, ASTM D 445, Centistokes	143
Viscosity Index	94
Pour Point, ASTM D 97	- 20°C
Flash Point, ASTM D 92	235° C