



## **PREMIUM WHEEL BEARING 707L RED GREASE**

### **Multi-Purpose, High Temperature Wheel Bearing Grease For Conventional, Disc and Antilock Braking Systems**

#### **PRODUCT DESCRIPTION**

PENNZOIL® PREMIUM WHEEL BEARING 707L RED GREASE is a high temperature, NLGI Grade 2, lithium complex grease which contains high quality petroleum base oils. The primary application for 707L is in high temperature operations such as wheel bearings on vehicles equipped with conventional, disc and antilock braking systems. These high temperature applications demand the use of 707L to resist melting of the grease and the resulting leakage from the bearings. 707L may be used with confidence at continuous operating temperatures up to 325°F and in intermittent use at temperatures up to 450°F. Special additives in 707L prevent rust and corrosion, reduce wear, and provide extreme pressure protection. 707L has excellent resistance to softening or hardening in service, resists water washout, and flows readily at cold temperatures. 707L's special thickeners resist wheel bearing leakage.

Precision manufacturing reduces oil bleeding in long term storage and produces a consistent color and texture. Its extreme pressure properties insure its performance under heavy or shock loading.

PENNZOIL® PREMIUM WHEEL BEARING 707L RED GREASE exceeds the requirements of the NLGI GC-LB specification, which is the highest performance rating available. This means that it is satisfactory for use as both a severe duty chassis and wheel bearing lubricant, resisting oxidation, evaporation and consistency degradation while protecting the components from corrosion and wear.

#### **APPLICATION**

The vast majority of automobiles produced today are equipped with disc brakes. Although disc brakes provide better braking performance, their use puts tremendous stress on the wheel bearing grease. Higher temperatures are generated in the wheel bearings with disc brakes than those with conventional drum brakes. This application is the most demanding for any automotive grease. PENNZOIL® PREMIUM WHEEL BEARING 707L RED GREASE will protect wheel bearings on cars, buses, vans, trucks, and farm equipment with disc brakes, even under heavy loads and shock loading.

PENNZOIL® PREMIUM WHEEL BEARING 707L RED GREASE may be used with confidence to repack wheel bearings on all vehicles equipped with either disc brakes or conventional drum brakes. Always follow the manufacturers' recommended procedures when repacking wheel bearings. 707L exceeds automotive manufacturers' requirements for a wheel bearing grease. PENNZOIL® PREMIUM WHEEL BEARING 707L RED GREASE is a true multi-purpose grease for all automotive applications - ball joints, chassis, and U-joints. Use of 707L eliminates the need to inventory other greases.

**For best results, always clean wheel bearings thoroughly before repacking with any wheel bearing lubricant, including PENNZOIL® PREMIUM WHEEL BEARING 707L RED GREASE.**

PREMIUM WHEEL BEARING 707L RED GREASE is recommended for industrial applications where an EP, water-resistant or high temperature grease is required. Applications include: bearings, couplings, and gears. Due to the multi-purpose properties of PREMIUM WHEEL BEARING 707L RED GREASE, it can normally replace two, three, or even four greases, and therefore, reduce inventory and eliminate the chance of using the wrong grease.

#### **BENEFITS**

- Outstanding high temperature wheel bearing performance
- Protects against the heat generated by the heavy brake loads of vehicles pulling trailers
- Increased rust, corrosion and oxidation protection
- Excellent extreme pressure and anti-wear performance
- Resists wheel bearing leakage at high temperatures
- High dropping point, may be used continuously at temperatures up to 325°F
- Highly water resistant
- Excellent cold temperature flow properties

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES  
 PENNZOIL® PREMIUM WHEEL BEARING 707L RED GREASE**

<b>TEST</b>	<b>METHOD</b>	<b>TYPICAL RESULTS</b>
NLGI Grade		2
NLGI Service Classification		GC-LB
Thickener Type		Lithium Complex
Color		Red
Texture		Adhesive, Smooth
Penetration @ 77°F		
Worked, 60 strokes	ASTM D-217	280
Worked, 10,000 strokes	ASTM D-217	289
Shell, 4 Hr. Roll Stability	ASTM D-1831	
Penetration change, %		+8
Dropping Point, °F(°C)	ASTM D-2265	500 (260)
Timken EP Test, OK Load, lbs	ASTM D-2509	45
Four Ball Extreme Pressure Test	ASTM D-2596	
Weld Load, kg		315
Load Wear Index		50
Four Ball Wear Test, scar diameter, mm	ASTM D-2266	0.54
Wheel Bearing Life Test, hours of life, Min.	ASTM D-3527	100
Low Temperature Torque, N-m @ -40°C	ASTM D-4693	13
Water Washout Test, % wt. loss @ 175°F	ASTM D-1264	4.1
Oxidation Stability, 100 hr. psi loss @ 210°F	ASTM D-942	5
Copper Corrosion, rating	ASTM D-4048	Pass
Rust Prevention	ASTM D-1743	Pass
Oil Separation, % loss	ASTM D-1742	1.2
Wheel Bearing Leakage, gm	ASTM D-4290	1.4
Base Oil Properties		
Viscosity:		
@ 40°C, cSt	ASTM D-445	214
@ 100°C, cSt	ASTM D-445	15.7
Viscosity Index	ASTM D-2270	67
Material Numbers		
10/14 Ounce Cartridges		7772
12/1 Pound Containers		7771
120 Pound		7775
6/4 Pound Containers		7773
35 Pound Pail		7774
400 Pound Drum		7776