

## PRODUCT INFORMATION

# ECOSE<sup>®</sup> PREMIUM RED HT GREASE

**ECOSE<sup>®</sup> Premium Red HT Grease** is a versatile **lithium complex**-based, high temperature bearing grease designed for applications where elevated temperatures, high speeds and extended lubrication intervals are required. **Premium Red HT Grease** is specially formulated to have a high dropping point and premium quality extreme pressure characteristics making it very well suited for use in high temperature, disc-brake wheel bearings. **ECOSE<sup>®</sup> Premium Red HT Grease** is red in color and has a smooth, adhesive texture, making it easily detectable.

### FEATURES AND BENEFITS:

**ECOSE<sup>®</sup> Premium Red HT Grease** contains a state-of-the-art “Passive EP” additive system, which provides protection over a wide temperature range, as opposed to the conventional heat-activated EP technology. **Premium Red HT Grease** will provide excellent protection against heavy shock loading conditions while resisting water contamination for maximum surface protection. Additionally, this product offers the following benefits:

- Longer equipment life
- Outstanding oxidation resistance
- Excellent protection against wear
- Superior rust and corrosion protection
- Excellent pumpability at low ambient temperatures

### APPLICATIONS:

**ECOSE<sup>®</sup> Premium Red HT Grease** is ideally suited for heavy-duty trucks, construction equipment, earthmoving equipment, industrial systems, marine service, mining operations and farm equipment. **ECOSE<sup>®</sup> Premium Red HT Grease** meets all requirements of NLGI GC-LB for automotive wheel bearings and chassis applications and can be used in a wide variety of grease lubricating applications.

- King pins
- Bucket pins
- Fifth wheels
- Universal joints
- Trailer landing gears
- General chassis lube
- Ball and roller bearings
- Electric motor bearings

**ECOSE<sup>®</sup> Premium Red HT Grease** meets the performance requirements for Wheel Bearing Grease Category **GC** and Chassis Grease Category **LB**.

### SELECTION:

**ECOSE<sup>®</sup> Premium Red HT Grease** is available in two NLGI grades - **#1** and **#2**. The physical and chemical properties are listed on the back. Follow equipment manufacturer recommendations for appropriate NLGI grade.

### AVAILABILITY:

**ECOSE<sup>®</sup> Premium Red HT Grease** is available throughout Nu-Tier Brands' marketing area. Your Nu-Tier representative can provide specific information. Need additional information? Call Nu-Tier Brands @ 1-877-771-LUBE (5823) or visit [Nu-tierbrands.com](http://Nu-tierbrands.com).

## ECOSE<sup>®</sup> Premium Red HT Grease- Typical Properties

| NLGI Grade  |                    | #1                     | #2                     |
|---|--------------------|------------------------|------------------------|
| Product Code  | <b>Test Method</b> | 544011                 | 544012                 |
| Thickener Type  | ASTM D-128         | Lithium Complex        | Lithium Complex        |
| Thickener Content, wt. %  | ASTM D-128         | 8                      | 10                     |
| Base Oil Viscosity, cSt @ 40°C  | ASTM D-445         | 195                    | 195                    |
| Base Oil Viscosity, cSt @ 100°C   | ASTM D-445         | 20                     | 20                     |
| Base Oil Viscosity, SUS @ 100°F   | ASTM D-2161        | 905                    | 905                    |
| Base Oil Viscosity, SUS @ 210°F   | ASTM D-2161        | 98.5                   | 98.5                   |
| Base Oil Viscosity Index  | ASTM D-2270        | 95                     | 95                     |
| Color   | Visual             | Red                    | Red                    |
| Appearance  | Visual             | Smooth                 | Smooth                 |
| Cone Penetration @ 77°F<br>Worked, 60x  | ASTM D-217         | 325                    | 280                    |
| Dropping Point, °F (°C) (min)   | ASTM D-2265        | 500 (260)              | 525 (272)              |
| Four-Ball Wear Test, mm   | ASTM D-2266        | 0.5                    | 0.5                    |
| Four-Ball EP Test,<br>Load Wear Index (LWI), kgf (min)<br>Four-Ball Weld Point, kgf     | ASTM D-2596        | 45<br>400              | 45<br>400              |
| Water Washout, wt.% loss @ 175°F  | ASTM D-1264        | 6.0                    | 2.5                    |
| Copper Strip Corrosion  | ASTM D-4048        | 1B                     | 1B                     |
| Rust Prevention, rating   | ASTM D-1743        | Pass                   | Pass                   |
| Low Temp. Torque @ -40°C, N·m (max)   | ASTM D-4693        | 15.5                   | 15.5                   |
| Wheel Bearing Life Test, hours (min)  | ASTM D-3527        | 80                     | 80                     |
| Operating Temperature Ranges<br>Minimum, °F (°C)<br>Maximum Continuous Service, °F (°C) |                    | -20 (-29)<br>325 (163) | -10 (-23)<br>325 (163) |
| Timken OK Load, lbs. (min)  | ASTM D-2509        | 60                     | 60                     |