

# Cat<sup>®</sup> High Speed Ball Bearing Grease

For high-speed ball bearing applications.

NLGI Grade 2



## Recommended Use

Cat High Speed Ball Bearing Grease is recommended for high-speed ball-, needle- and sealed-bearing applications such as:

- electric motors
- fan drives
- starters
- alternators
- generators

It can also be used in automotive and industrial applications, especially where equipment is operated intermittently in severe conditions.

## Discover the Difference

Formulated with synthetic thickener and corrosion inhibitors, High Speed Ball Bearing Grease provides excellent lubrication in ball and roller bearings operating over a broad temperature range.

Cat High Speed Ball Bearing Grease is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

**High-Stress Performance**—Provides outstanding protection at high speeds (10,000 rpm and greater) and the high temperatures (163°C/325°F) associated with high speeds.

**Moisture Resistance**—Resists wash out from fresh and salt water.

**Increased Component Life**—Heat resistance provides improved protection, reducing component wear rates.

**Low-Temperature Operation**—Remains mobile in temperatures as low as -30°C (-22°F).

**Caterpillar. The difference counts.™**

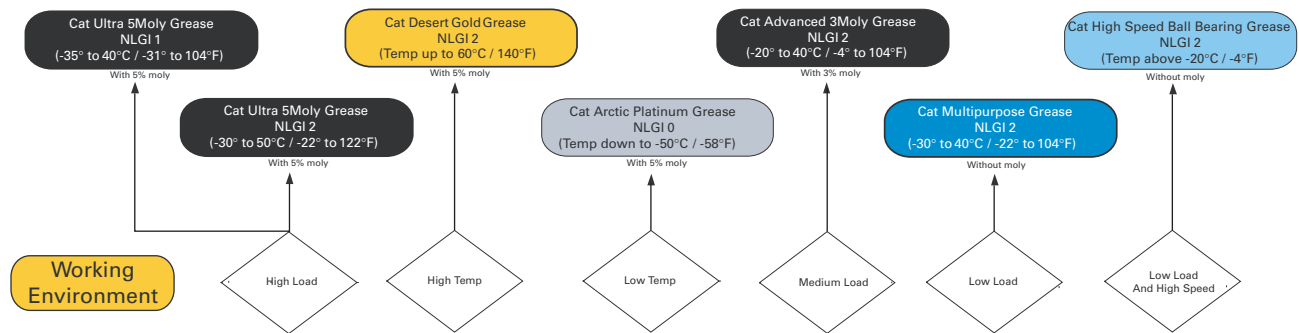
Cat Dealers define world-class product support. We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

**CATERPILLAR<sup>®</sup>**

# Cat High Speed Bearing Grease

## Grease Selection Guide\*



\*All temperatures are ambient.

## Typical Characteristics\*

|   |                 |
|---|-----------------|
| NLGI #                                      | 2               |
| Ambient Range, F                            | -4° to +104°    |
| Ambient Range, C                            | -20° to +40°    |
| Operating Range, F                          | -40° to +325°   |
| Operating Range, C                          | -40° to +163°   |
| Base Fluid Type                             | Petroleum       |
| Thickener Type                              | Polyurea        |
| Color                                       | Blue-Green      |
| % Molybdenum disulfide                      | 0               |
| Worked Penetration (mm)                     | 265-295         |
| % Change/100,000 stroke                     | +/-1            |
| Roll Stability w/H <sub>2</sub> O, % change | N/A             |
| Viscosity Index, Min                        | N/A             |
| Viscosity @ 100°C, cSt                      | 9-13            |
| Viscosity @ 40°C, cSt                       | 95-110          |
| 4 Ball Wear (mm) Max, Typ.                  | N/A             |
| 4 Ball E.P. Weld Point (kg) Min.            | N/A             |
| Timken E.P. Test OK load (lb) Typ.          | N/A             |
| Oxidation-psi drop/500 hr Max               | 5               |
| Rust Test                                   | Pass            |
| Salt Fog Test, hours                        | +1,100          |
| Copper Corrosion                            | 1a              |
| Dropping Point                              | +260°C (+500°F) |

\*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

## Other Recommended Greases

### Cat Arctic Platinum™ Grease

For extremely cold temperatures down to -50°C (-58°F).

### Cat Desert Gold™ Grease

For extremely hot temperatures up to 60°C (140°F).

### Cat Ultra 5Moly Grease

For high-load and high-speed conditions in moderate-temperature environments.

## Health and Safety

For information on proper use for health, safety, and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measures. For a copy of the MSDS, contact us or visit the web at [www.catmsds.com](http://www.catmsds.com).

**CATERPILLAR®**