



Castrol® Tribol® GR SW 460 and 680

Maximize wind turbine performance with Smart Bearing Care

The health of your wind turbine bearings is critical to reliable operation. Problems like excess wear, micropitting, and stand-still marks can lead to costly damage across the entire system. One key factor in preventing these issues is proper lubrication — without it, friction and heat accelerate bearing failure.

Main bearing grease challenges

Choosing the wrong lubricant — or one of lesser quality — can lead directly to serious performance issues. Poor shear stability, oil separation, and dried thickener are common problems when lubricants aren't engineered for the extreme demands of wind turbine main bearings. The right lubricant ensures consistent protection, minimizes wear, and keeps your turbines running efficiently.



Loss of Shear Stability

Grease breaks down under stress, becoming too soft to stay in place. This reduces protection and accelerates wear.



Oil Separation

Oil leaks away from the thickener, leaving bearings under-lubricated. This increases friction, heat, and risk of failure.



Dried Thickener

When oil is gone, only dry residue remains — offering no lubrication and acting like an abrasive, causing severe damage.

Proven performance in the field

Industry leaders trust **Castrol® Tribol® GR SW 460 and 680** main bearing greases for superior shear stability, low oil separation, and long-lasting protection. When a wind farm faced main bearing failures, **L&H Industrial Inc.** leveraged 60+ years of field experience to test and transition the fleet to **Castrol® Tribol® GR** — delivering reliable performance under extreme conditions.

Real results, real trust

L&H Industrial Inc.'s team knows what works in the field — and their customers agree. **Castrol® Tribol® GR** delivers proven performance, earning trust across the industry. Protect your investment: proactive bearing monitoring and proper lubrication are essential for long-term wind power success. **Contact Castrol to learn how we can help.**

"We've seen a lot of different greases. We've had good success with Castrol and that's what we recommend when asked."

— **Jason Eddy,**
Product Line Manager
Power Generation,
L&H Industrial Inc.

"We have customers with good experience with Castrol and that's the truth!"

— **Jesse Elliot,**
Territory Account Manager,
L&H Industrial Inc.



Castrol® Tribol® grease after 1 year of service



Castrol® Tribol® grease after 3 years of service

