

Case Study

Critical Gearbox Repair for the Cement Industry: *Meeting Tight Shutdown Timelines*

Motion Repair & Services

The Challenge: A Critical Gearbox Failure During a Shutdown

During a scheduled shutdown in January, a cement manufacturer requested our Nisku, Alberta, team to perform borescope inspections on a site gear reducer. During the inspection, we identified a critical issue: the input shaft bearing of the gearbox had failed.

The customer needed the gearbox removed, repaired and returned to their site by February 10 to avoid delaying the kiln start-up. The timeline was tight, and the repair required expedited action, including sourcing hard-to-find bearings and coordinating logistics to meet the deadline.

Our Solution: Rapid Repairs and Seamless Coordination

Understanding the urgency of the situation, our team immediately got to work to ensure the gearbox was repaired and returned on time. Here's how we tackled the challenge:

Expedited Bearing Sourcing:

- Most bearings were sourced locally to save time.
- One critical bearing was not available locally, so we sourced it from another location and rushed it to our Nisku facility.

Constant Communication:

- We maintained open and frequent dialogue with the customer, providing updates on the repair progress and ensuring alignment on the timeline.

Rush Repairs:

- We prioritized this project as a rush request, allocating overtime and expediting shipping to meet the customer's timeline.



*Damaged input shaft bearing
(note the displaced rolling
element center top)*



Gearbox post repair and assembly, ready to be rushed back to site

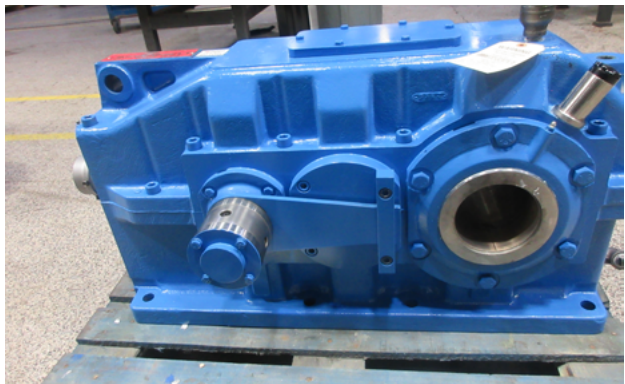
Results: On-Time Delivery and Customer Satisfaction

Thanks to our team's expertise, efficient coordination, and commitment to meeting the customer's needs, we successfully delivered the repaired gearbox on time. The cement manufacturer could proceed with their kiln start-up as planned, avoiding costly delays.

Our ability to source critical components quickly, maintain clear communication, and execute repairs under a time crunch demonstrates our dedication to supporting our customers and keeping their operations running smoothly.



Before



After

Partner With Us for Your Repair Needs

Our team is ready to help you tackle your toughest repair challenges, even with tight deadlines. Whether it's a critical gearbox repair or another urgent need, we're here to provide fast, reliable solutions. Contact us today to learn more about how we can support your operations. Visit MiRepairandServices.com or call 1-800-526-9328.