

SLURRY PUMP

TOUGH STEEL™

Challenge

A concrete plant was experiencing high maintenance and unpredictable bearing failures in a rotary impeller slurry pump. This resulted in frequent downtime and lost productivity.

Solution

NSK engineers analyzed the application thoroughly, recommending Tough Steel™, a revolutionary material developed by NSK's research & development teams. Decades of NSK R&D experience delivers time and again advanced innovation with products like NSK's Tough Steel™ material.

Tough Steel™ provides superior durability and reliability under harsh, contaminated conditions. Tough Steel™ Angular Contact Bearings tackled wear on bearing raceways triggered by concrete dust contamination that resulted in erratic and occasionally very early bearing failures.

Stable, reliable bearing life was realized while bearing life was extended and bearing usage dropped. Tough Steel™ steel bearings are now used in several cement and concrete plants. These plants are saving hundreds of thousands of dollars annually in downtime, replacement, and service costs. NSK Tough Steel™ ensures customer service is uninterrupted.



Result

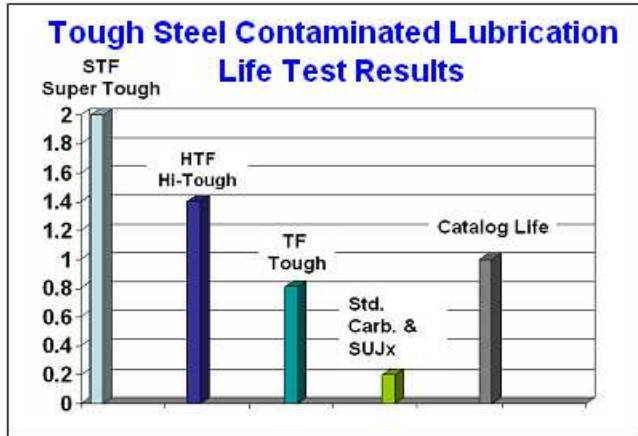
- ➔ Extended service life
- ➔ Increase productivity
- ➔ Improved reliability
- ➔ Reduced downtime
- ➔ Reduced maintenance costs
- ➔ Reduced warranty

*Enhance your bottom line.
Think NSK.*



SLURRY PUMP TOUGH STEEL

Test Results



Other Features

NSK Tough Steel™

- ➔ Superior resistance to contamination damage
- ➔ Longer life
- ➔ Wear resistance
- ➔ Fracture resistance
- ➔ Excellent thermal stability

