

EXTENDED BEARING LIFE WITH SUPERIOR SEAL SOLUTION

CHALLENGE ▼

A steel manufacturer struggled with poor lifetime in housings mounted on a raw materials conveyor application. Severe dust particle contamination had typically limited each unit to six months of bearing life before requiring a fix or replacement, necessitating extra maintenance and downtime.

TIMKEN SOLUTION ▼

Timken worked closely with the customer, testing several options to identify a specific sealing combination to solve their unique challenge. The Timken solution was our spherical roller bearing solid-block housed unit with triple-lip urethane seal that seals on the inner ring for superior abrasion resistance, open Teflon® sealed steel cover that comes standard with grease cavity to fill for another layer of protection, and closed end steel cover with fillable grease cavity to complete the sealed unit.

RESULTS THAT MATTER ▼

- Bearing lifetime increased 8 times
- Fast and easy mounting provided labor savings
- Improved performance in high-contamination environments
- Timken solution is 1/2 the price



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SERVICE LIFE INCREASED **8X**

TIMKEN BEARING SOLUTION COST **1/2** THAT OF
COMPETITOR BEARINGS IT REPLACED

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, belts, brakes, clutches, chain, couplings, gears and related mechanical power transmission products and services.

Stronger. By Design.

TIMKEN