



# BUILDING PERFORMANCE THROUGH LOCAL EXPERTISE AND GLOBAL SUPPORT

## CHALLENGE

A construction equipment manufacturer producing backhoe loaders, dumpers and TFC cranes for large-scale infrastructure projects needed to improve equipment performance and productivity while managing costs. These applications operate under heavy loads and demanding duty cycles, where bearing reliability, correct fit and proper constraints directly affect uptime and machine life.

The customer also required responsive technical support and a dependable local supply chain to keep production moving efficiently.

## TIMKEN SOLUTION

Timken partnered closely with the customer, supplying Timken® tapered roller bearings for backhoe loaders, dumpers and TFC crane applications, along with hands-on application engineering support.

Timken engineers worked directly with the customer’s technical teams to establish proper bearing constraints and recommend correct fitting practices across multiple machine platforms, helping optimize performance at the system level.

With local manufacturing and technology resources supported by Timken’s global engineering expertise, the team delivered timely product availability and practical, application-specific guidance tailored to construction equipment requirements.



## RESULTS THAT MATTER

- Improved performance and productivity across backhoe loader, dumper and crane applications
- Reduced costs enabled by local bearing supply and application engineering support
- A stronger working relationship built on trust, responsiveness and technical expertise

By combining proven bearing solutions with application know-how and local resources, Timken helped the customer enhance both equipment performance and overall business outcomes.

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 bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related industrial motion rebuild and repair services.