

# TIMKEN HELPS BEAT THE HEAT WITH CUSTOM SOLUTION

## CHALLENGE ▼

Facing frequent chain failure in their critical hot oven conveyor application, one major food and beverage operation turned to Timken to help identify a new solution. Replacement of the underperforming chain was occurring every six months—an unacceptable figure leading to ballooning annual maintenance costs.

## TIMKEN SOLUTION ▼

Timken Drives identified the root of the issue: Round parts on the existing chain were softer than desired after heat exposure. The team went to work creating a specially designed new chain featuring increased hardness, a redesigned bushing and nitride/chrome plating for maximum wear resistance in the blazing temperatures.

## RESULTS THAT MATTER ▼

- Chain life extended to 16 months
- Minimized maintenance and replacement
- More than \$60,000 in annual savings



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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.**

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