

## TWO CUSTOMERS, ONE TIMKEN SOLUTION

### CHALLENGE ▼

A customer in the beverage industry was experiencing increasingly frequent bearing failures on a kiln fan, an important component in its malting operation that controls the temperature in a steeping vessel. A plummer block arrangement supporting the fan shaft caused major issues when bearings needed replaced, because the motor and gearbox needed to be removed—and then realigned with the equipment—after new bearings were in place. It all added up to major downtime for the customer.

Another customer, also in the beverage industry, was also experiencing significant downtime when the kiln fan bearings in its malting process needed to be replaced. Using a standard plummer block arrangement, both the drive and nondrive bearings were trapped behind an impeller, a pulley and a belt set—meaning it took one to two days and a complicated process to replace them.

### TIMKEN SOLUTION ▼

To keep both customers up and running, Timken service engineers recommended using Timken® Split Cylindrical Roller Bearing Housed Units. For the first customer's fan, the assembly's aluminum triple labyrinth seal helped prevent dust and moisture from getting into the bearing—while supporting the speed fluctuations of the fan.

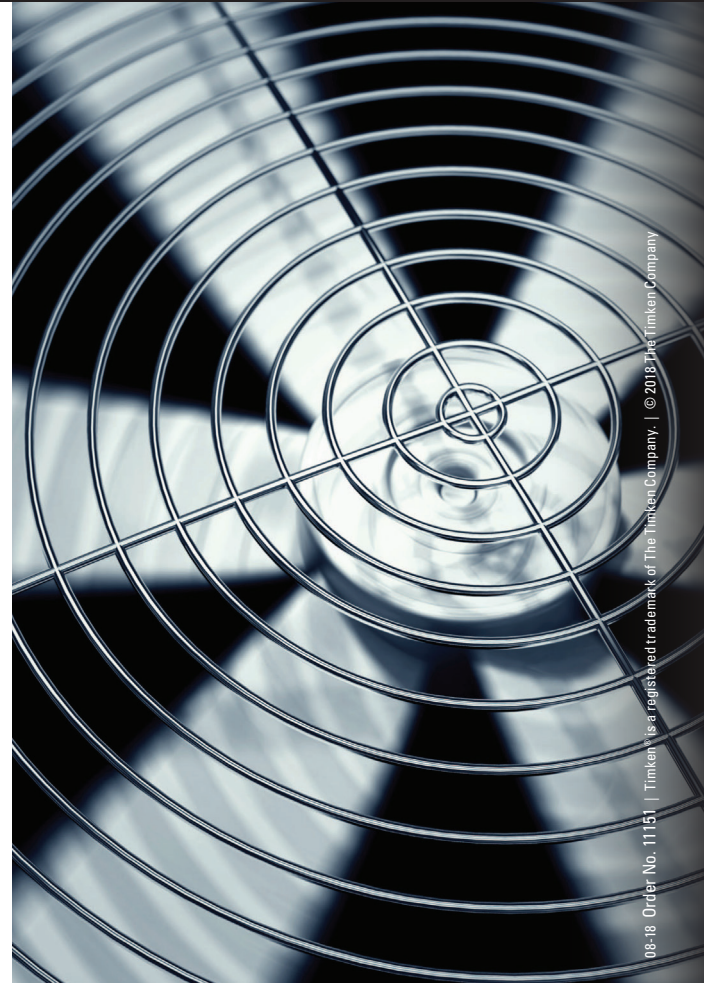
For the second customer, a Timken service engineer recommended using the Quick Design Series for the nondriven end, because its angled support pedestal allows the drive to stay connected during installation. For the driven end, a standard split cylindrical roller bearing assembly with ATL seals was specified.

### RESULTS THAT MATTER ▼

- Increased efficiency
- Lower bearing replacement cost
- Increased productivity and performance
- Reduced downtime

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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