

# PROBLEM SOLVER

## HIGH TEMPERATURE BEARINGS IMPROVE RELIABILITY



**Problem:** A major bakery firm were experiencing serious problems with the reliability of the off-take conveyor units in its ovens. These units move trays of products that have passed through the baking process, and as a result, are subjected to extremely high temperatures. Due to these harsh operating conditions, the bearings in the units were failing every three months, leading to unplanned downtime and significant lost production.

**Solution:** **SKF high temperature bearings** were installed in all the conveyors. Suitable for temperatures of up to 350°C, the bearings incorporate a graphite cage that releases minute amounts of graphite powder during normal operation. This provides an excellent dry lubricant suitable for low-speed, high-temperature applications such as ovens. As a result, they are effectively lubricated for life and provide reliable re-lubrication-free operation.

The new bearings were an instant success, lasting over three years without replacement and providing a massive decrease in downtime, lost production and associated maintenance costs.

Food and  
Beverage



Ref: P5071