



## Summary

<b>Industry:</b>	Food - Bakery & Cereals
<b>Application:</b>	Fitting & Lubrication of Bearings
<b>Actual Saving:</b>	£13,312
<b>Payback Period:</b>	Less than 1 Month



## Longer Lasting Bearings with Lubrication & Best Practice

ERIKS improve bearing life with appropriate lubrication selection and standardized fitting process

### ISSUE

An established bakery and cereal manufacturer contacted ERIKS due to multiple failures of a bearing on a milling application. ERIKS' specialist Application, Project & Design Engineers inspected the issue and identified the main causes.

The primary cause of failure was due to excessive heat applied to the bearing making the lubrication ineffective. This was further exasperated after clean down procedures as lubrication was being washed out of the bearings.

A secondary cause was found to be improper installation of the bearings creating inefficiencies from the outset.

### SOLUTION

Firstly, the ERIKS team wanted to introduce a better specification of grease to avoid breakdowns as a result of the ineffectiveness of the current lubrication. After extensive testing ERIKS proposed a grease which could handle exposure to high pressures and wash downs.

Next, to remedy the failures caused by improper fitting, a training package was developed recommending a best practice approach for the installation of the bearings using a hydraulic nut and feeler gauges. As part of the training package the correct application of the new specification of grease was shared to ensure the ongoing life of the bearings.

The new lubrication specification combined with successful training resulted in significantly improved bearing reliability and related savings. In the first six months after the completion of the project bearing usage had been reduced by 90% across all milling applications.

### OTHER BENEFITS

- Increased reliability
- Implementation of best practice
- Usage reduction & cost savings
- Reduced maintenance

### FURTHER COMMENTS...

Incorporating the minor changes proposed by ERIKS had a major impact on failure rates and bearing usage delivering considerable improvements.

### MORE INFORMATION

#### ERIKS Industrial Services

Amber Way, Halesowen,  
West Midlands B62 8WG

**Tel: 0845 006 6000**

**Web: [www.eriks.co.uk](http://www.eriks.co.uk)**