



Summary



Industry:	Food - Bakery & Cereals
Application:	Sugar Mill
Actual Saving:	£2,034
Payback Period:	undisclosed



Sweet smell of success

ERIKS diagnose and solve sugar processing premature failures

ISSUE

A bearing was consistently failing on site at a large food manufacturer, generating excessive heat. The ERIKS Integrated services team enlisted the help of their local Bearing Application Engineer and a member of the Condition Monitoring team who arrived on-site at short notice to assess the mode of failure and possible solutions.

SOLUTION

After inspection of the application and monitoring the bearing under operating conditions, the ERIKS technical team identified a number of issues that would contribute to the premature failures; Excessive grease in the bearing, the grease nipples were located in the wrong place on the housing, there was no lip seal on the shaft, and the speed of the application was also causing excessive heat in the bearings.

The solution was to trial a higher clearance bearing along with best practice installation training from the Bearing Application Engineer. The C3 larger clearance bearing was supplied and installed the next day complete with correct fitting training to aid bearing longevity.

After monitoring the application ERIKS were pleased to report that the operating temperatures reduced from 140°C to 85°C, within the acceptable operating range for the bearings and the application.

OTHER BENEFITS

- In-house technical expertise
- Efficient reliable solution provided
- Best practice installation for increased bearing life

FURTHER COMMENTS...

ERIKS have an abundance of highly skilled technical teams that can be called upon, covering a wide range of technologies with industry specific experience, who have the ability to apply their knowledge for our customers gain.

MORE INFORMATION

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