



Summary

Industry:	Food - Bakery & Cereals
Application:	Chain Upgrade
Actual Saving:	£10,137
Payback Period:	Less Than 12 Months



ERIKS Resolve a Chain Problem for a Food Manufacturer

ERIKS Drives Specialists ensured an efficient solution reducing downtime Significantly

ISSUE

A large food manufacturer had experienced chain failure across 24 instances of the same application, causing considerable downtime. As a result of this, the issue had affected production and the resources of the engineering team. Associated component failure cost was also an issue when the 2" Pitch ANSI chain failed.

SOLUTION

ERIKS brought in the expertise of their Drives Core Competence Centre. Fatigue stress was found to be the cause of failure along with inadequate lubrication and the effects of wash down.

The Core Competence team calculated the loads and stresses of the chains along with physical inspection failures.

It was recommended to change to a 2.5" BS Chain and sprockets. From the average of 3 failures a year per application, the increased size and durability of the chain was anticipated to last 2 years subject to sufficient lubrication.

OTHER BENEFITS

- Reliability improvements
- Usage reduction
- Reduced failures & downtime
- Application expertise
- Cost savings

FURTHER COMMENTS...

In the first 12 months, 10 of the 24 applications were upgraded with considerable success and savings. Breakdowns had been greatly reduced and plans to convert the remaining 14 were set in stone.

MORE INFORMATION

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