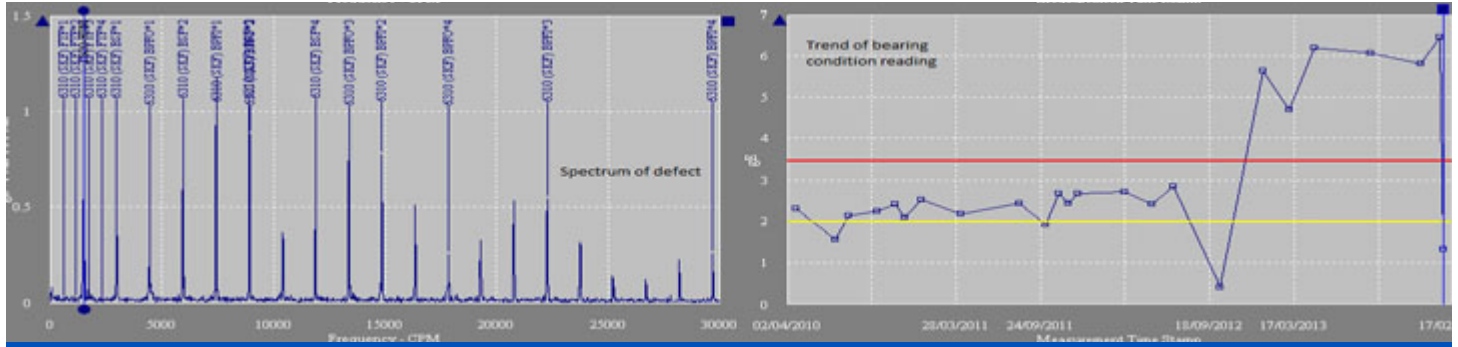




Summary

Industry:	Food - Bakery & Cereals
Application:	Condition monitoring
Actual Saving:	£40, 000
Payback Period:	Immediate



Vibration analysis detects early bearing failure

ISSUE

A leading food manufacturer has an ongoing contract with ERIKS to carry out condition monitoring regularly onsite.

During a routine Vibration Analysis survey as part of this contract, a raised bearing condition reading was found on a motor on the F Mill of the factory. ERIKS informed the customer that this bearing would need replacing as continued use left them at risk of failure.

To make matters worse, the customer did not hold a spare of the motor onsite so a swap was not possible.

SOLUTION

ERIKS Electro Mechanical Services were requested to attend the site and overhaul the motor. Upon reviewing the motor it became apparent how close to failure the unit was - thanks to the condition monitoring this was picked up in excellent time.

While the machine was turned off ERIKS took the opportunity to perform a static inspection on the Mill bearings as they were also showing signs of fatigue. This further survey showed that they also needed replacing and has now been planned by the customer, helping to significantly reduce downtime at the customer site and arrange repairs at a time which better suits them.

OTHER BENEFITS

- Reduced downtime
- Repaired on site
- Other static inspections completed

FURTHER COMMENTS...

If this unit had failed then the whole mill would have stopped, resulting in a major loss of production and potential lost customers. We cannot value enough the effectiveness of the condition monitoring and the timely, quality repair undertaken.

Site Engineer

MORE INFORMATION

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