



Summary

Industry:	Pharmaceutical
Application:	Condition Monitoring
Actual Saving:	£up to 2,000,000
Payback Period:	Seconds...see below



Vibration Analysis Pinpoints Problem

ERIKS Data collection helps provide a temporary fix, avoiding costly downtime

ISSUE

ERIKS' condition monitoring team received a call from a large pharmaceutical manufacturing company asking for an urgent vibration analysis on a bearing, the unit in question would be off-line during weekend.

SOLUTION

We collected data Monday afternoon as requested by the customer and concluded the bearing was slipping in the housing and recommended sleeving/replacing the bearings housing. Unfortunately the lead-time on the bearing housing would be a minimum six weeks.

The customers E5 mill is a specialist mill for mixing chemicals for thier products and is the only one on site. The mixing process takes days and if the unit failed during the process the 'batch' would be scrapped costing £10's of thousands of pounds. If the mill were down for a few days again it would cost 10's of thousands of pounds. If they had to wait 6 weeks for the housing it would run into millions.

With all this in mind ERIKS suggested a temporary solution of locktighting the bearing to stop the slipping. The customer carried out temporary solution, we then retook data and the readings were satisfactory. The repair lasted until September, by this time the housing had been delivered and they were able to schedule in replacing it.

OTHER BENEFITS

- No Downtime Due to Effective Monitoring
- ERIKS Solution Implemented
- System lasted Until Replacement Part Arrived

FURTHER COMMENTS...

On a scale of how much the mill is worth to the customer, I have been told by the process engineers that if the mill runs flat out for two weeks the money made from the products produced in those two weeks pays for all of the company's overheads for the year- everything. The customer is now looking at online monitoring.

MORE INFORMATION

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