



Summary

Industry:	Automotive
Application:	Condition Monitoring
Actual Saving:	Risk reduction
Payback Period:	Ongoing



ERIKS e-Connect Avoids Costly Unplanned Shutdown for Automotive Customer

ISSUE

An automotive customer experienced a bearing failure on his 5000 tonne multi stage press which lead to production downtime of 2 days and a loss of £80 million.

The significant risk to business if the equipment failed again led to the customer asking ERIKS to investigate monitoring options so they could predict and prevent any failures occurring on the multi-stage press.

SOLUTION

After consultation with the customer the ERIKS e-Connect Series 5 was installed to monitor the vibration, temperature and speed of the press components using high end condition monitoring tools and sensors.

The results from the sensors were transmitted via ERIKS e-Connect to a cloud hosted trending and alarm system where the customer has a unique secure log-in and data is available 24-7.

Shortly after implementation the system began to alarm continuously on the second fly wheel bearing due to abnormal vibrations. The customer was notified and planned to replace during the next planned downtime period. Upon removal of the bearing significant wear was found and if the bearing had been left the machine would have resulted in failure.

The implementation of the e-Connect machine has enabled the customer to get an early warning of issues and gives them time to resolve before it became a critical issue.

OTHER BENEFITS

- Reduced unplanned downtime
- Greater control of assets
- Optimal performance
- Predictive and preventative measures

FURTHER COMMENTS...

Thanks to e-Connect the customer has been able to avoid further shutdown situations. Furthermore, thanks to the data any maintenance issues can be highlighted and remedied to keep the multi stage press at optimal performance.

MORE INFORMATION

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