MINING CUSTOMER SAVES $48K IN 15 DAYS

WITH MOTION'S PREDICTIVE MAINTENANCE OFFERINGS

With assistance from Motion, a large gold mining customer recently installed wireless vibration/temperature monitoring devices on their critical conveyors and gearboxes. Only 15 days later, the customer saved $48,377.

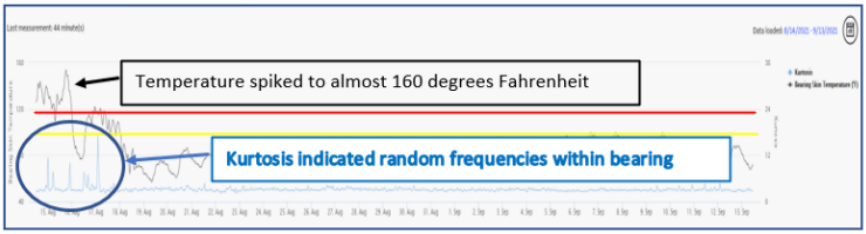
PROBLEM

Vibration analysis and temperature monitoring is a large part of this customer's predictive maintenance program. They were getting bombarded with alarms and alerts from the system and could not translate the data to understand what was causing the alerts.

ANALYSIS

Motion used the data to identify significant deviation in vibration and temperature trend conditions on a critical asset, as below.

The data from the Root Cause Failure Analysis showed a recurring bearing issue, in the final stages of failure. The group took a look at the actual bearings that the monitoring system had indicated were a trouble spot. It was apparent that the bearings were indeed worn and needed replacing.



RESULT

- Motion's P²MRO predictive maintenance products and services provided more than 100% return on customer's investment (ROI) within three weeks of implementation.
- The condition monitoring alert allowed the site to continue operation without an unscheduled downtime to replace the bearing. Motion's customer valued the production savings at $48,377 – all within the first 15 days after implementation.
- The customer said they wanted Motion to come in and perform the reporting. In this asset, they bought 20 more sensors from Motion. The site has also engaged Motion's P²MRO team to provide condition monitoring analysis, diagnosis, and corrective action recommendations.

To find out more about P²MRO, visit https://www.motionindustries.com/knowledgelinks/p2mro