

Mill Switches to Emerson's Industry- Leading Machinery Health Solution

RESULTS

- Maintained maximum uptime with support for fast decision making through predictive diagnostics



APPLICATION

Vibration monitoring devices are periodically attached to more than 3,000 pieces of mechanical equipment in a large southern pulp mill, enabling maintenance personnel to watch for signs of deterioration.

CHALLENGE

Fourteen years ago, mill management made the decision to start a reliability program based on vibration monitoring. Unfortunately, the selection of monitoring hardware and software was based primarily on price, and the results were not as favorable as originally envisioned. Over the years, management personnel were approached by various vendors seeking to replace the original system. Invariably, those vendors would compare their product with Emerson's AMS technologies.

SOLUTION

Early in 2008, the decision was made to upgrade the mill's vibration monitoring program. Maintenance personnel wanted to "quit talking with the people who were comparing themselves with Emerson, and go with Emerson." In fact, that is exactly what happened. On May 30, 2008 the mill signed an agreement to "go with the industry leader."

After the machinery analyzer were purchased, several technicians received training on the use of the data analyzer and the complementary AMS Machinery Manager software. Currently 3-1/2 men are assigned the task of monitoring more than 3,000 machines on a prioritized basis and making repair/replace recommendations.

"Everyone says 'our most important assets need monitoring.' That has never been more true than with vibration analysis where the value of the data depends on the quality of the data collection."

Reliability Mechanic

The machinery analyzer stands as the industry-leading vibration data analyzer, meeting the need for quick, accurate identification of developing faults and helping mill personnel determine the root cause of the problem so it can be fixed to prevent a serious breakdown or process stoppage. Not only do maintenance personnel have fast, actionable information available, routine data and corrective maintenance jobs can be uploaded to the companion AMS Machinery Manager software for additional analysis and documentation.

In-the-field analysis delivered by the machinery analyzer enables fast decisions regarding the continued operation of any given machine or when that machine should be taken out of service for repairs. This information helps the mill personnel to maintain maximum uptime.

“You can say I expressed pleasure with the hardware, pleasure with the software, and pleasure with Emerson’s service. The “Help Line” has been very helpful. The support agreement is well worth the cost.”

Reliability Mechanic

Emerson

Reliability Solutions

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