

KCF Technologies Asset Case Studies

Paint Fan

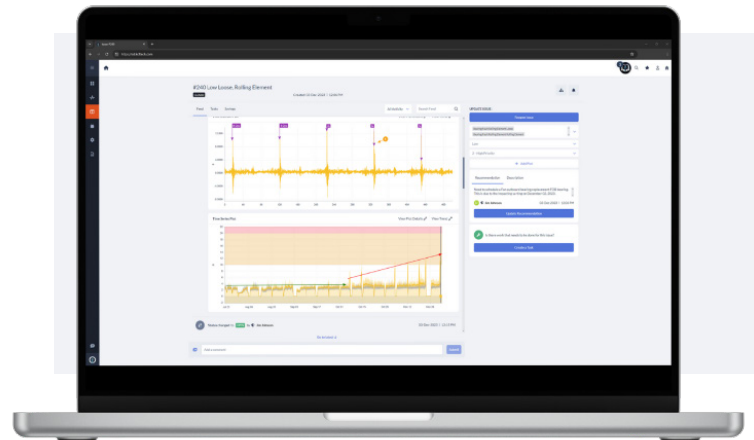
It's not enough to simply know that an asset is failing. Our team of engineers, vibration analysts, and industry experts with decades of manufacturing experience use cutting edge predictive maintenance technology to partner with you to solve your asset problems permanently and reach peak performance.

The Problem:

An analyst detected an increase in velocity and acceleration readings in early December on a paint exhaust fan and opened a desk issue recommending the fan outboard bearing be replaced. Rotating looseness and bearing wear were ultimately the issue with the paint fan.

How We Solved It:

Our team's recommended action was to inspect fan shaft bearings. During an open window, the plant maintenance team discovered the pillow block bearing's coupling was loose. They subsequently tightened down the coupling and increased the bearing's auto lubrication. Data showed some improvement, however there were still clear signs that damage had already been done. During the next weekend shutdown, the plant preventively replaced both fan bearings.



Savings:

\$93,204

Customer Savings

4 hours

Downtime Avoided

Ready to Take the Next Step in
Your Machine Health Journey?
Let's Get in Touch.

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