

KCF Technologies Asset Case Studies

Main Drive Motor

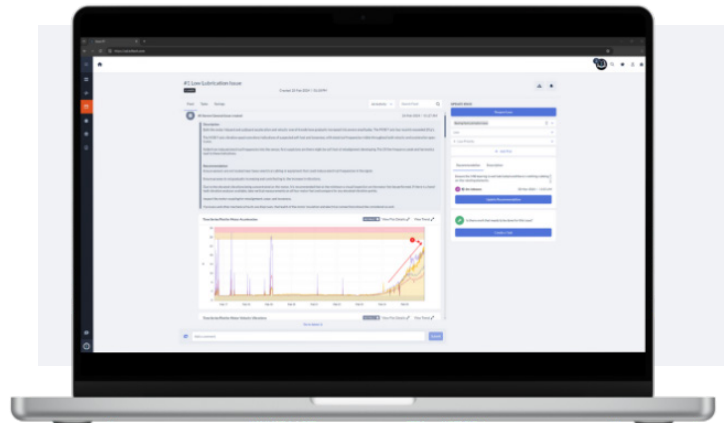
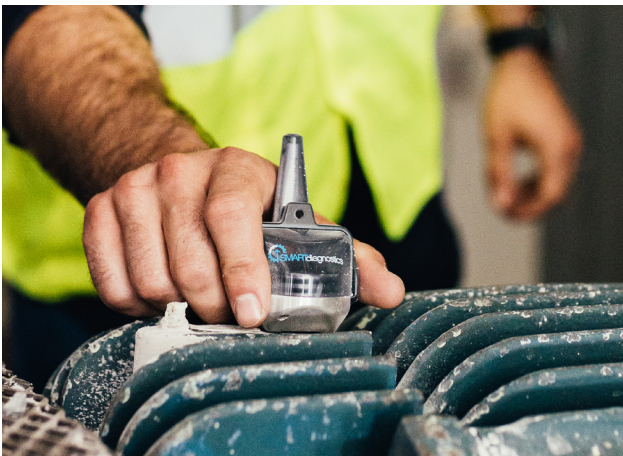
It's not enough to simply know that an asset is failing. Our team of engineers, vibration analysts, and industry experts with decades of manufacturing experience use cutting edge predictive maintenance technology to partner with you to solve your asset problems permanently and reach peak performance.

The Problem:

Both the motor inboard and outboard acceleration and velocity overall trends gradually increased into severe amplitudes. The motor outboard Y axis exceeded 20 g's. The motor outboard Y axis vibration spectrums showed indications of suspected soft foot and looseness, with electrical frequencies visible throughout both velocity and acceleration spectrums. Aside from induced electrical frequencies into the sensor, first suspicions are there might be soft foot or misalignment developing.

How We Solved It:

A SENTRY Analyst ensured the motor inboard bearing was well lubricated and there was nothing rubbing on the rotating elements. They also verified the NU240 C3 bearing on non-drive end and replaced the motor bearings.



Savings:

\$405,020

Customer Savings

16 hours

Downtime Avoided

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

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