

## KCF Technologies Asset Case Studies

# Ammonia Compressor

**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.

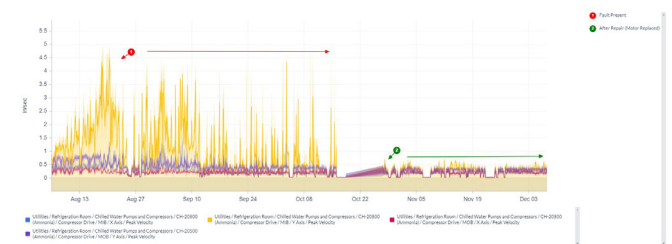
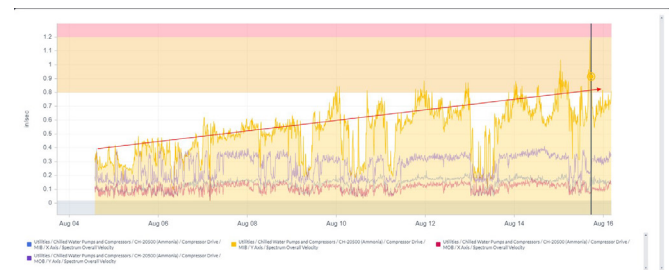
### The Problem:

A severe issue of elevated running speed vibration associated with structural and or rotating looseness in a compressor was reported on August 16, 2023, with nearly doubled vibration levels.

### How We Solved It:

The initial recommendation was to check the sensors' placement and the asset's structural integrity. Motor was replaced November 22, 2023, resulting in significant reduction in levels indicated. Unplanned downtime was avoided.

The issue was officially closed, with the final fault type identified as general elevated running speed vibration.



## Savings:

# \$600,000

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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