



AMMONIA COMPRESSOR

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MACHINE HEALTH SOLUTION FOR FOOD & BEVERAGE INDUSTRY



THE PROBLEM:

Ammonia compressor maintenance is governed by strict regulations from agencies such as OSHA.

Regular, route-based vibration monitoring is expensive and non-optimal compared to continuous monitoring



COST OF ASSET FAILURES

\$10,000/hour
Downtime Cost

4-24 hours
Downtime

AMMONIA Creates a major health hazard if not contained

INDUSTRY SAVINGS POTENTIAL

Instant savings and improved asset coverage by switching to continuous vibration monitoring and eliminating unnecessary routes

ASSET BLIND SPOTS:

There are several inherent challenges related to monitoring Ammonia compressors.



Challenge #1: Ammonia compressor maintenance and monitoring is governed by strict government regulations.

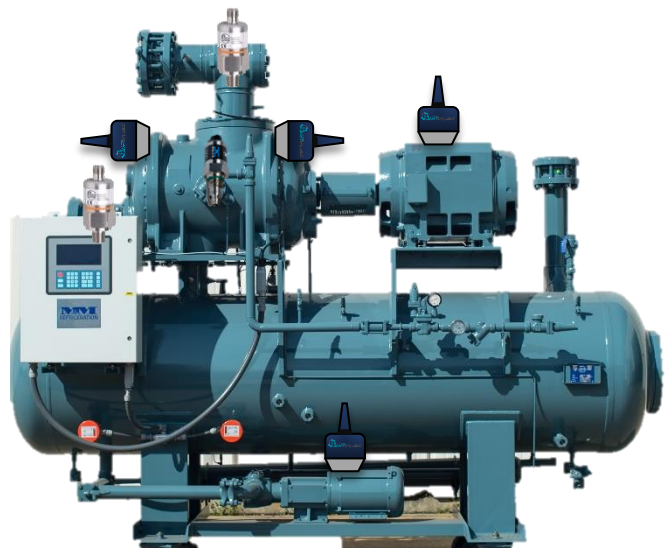


Challenge #2: Vibration routes do not capture key indicators such as inlet / outlet pressure.



Challenge #3: Time-based protocols do not capture actual inflicted damage and will miss issues that develop quickly.

A NEW APPROACH TO AMMONIA COMPRESSOR HEALTH



Fully outfitted ammonia compressor

Due to OSHA regulations, companies are required to complete vibration checks as often as the manufacture recommends. Route-based vibration monitoring is expensive and only captures a brief snapshot of data.

Instead of periodic reports on machine health indicators like vibration, KCF offers a continuous monitoring solution. See updates real-time and get a comprehensive look at your asset health.



HARDWARE

- 4-6 vibration / temperature sensors to fully cover the asset
- 2 pressure transducers, one for the inlet and one for the outlet



SOFTWARE

- Customizable Threshold Settings
- Velocity, Acceleration & Temperature Indicators
- Sensor Configurations
- Dashboards
- Technical Reporting



REAL-TIME DATA

- Operational data for each compressor including RPM, pressure and temperature can be integrated with the vibration data
- Utilize the data integration function to run compressor load/speed tests to determine operational sweet spots minimizing damage



TRAINING

- Sentry
 - Site visits for assessment and installation
 - In-person training
- Academy
- Customer training/handbooks
- Asset playbook

CONTACT US!

Call **814-867-4097** or email sales@kcftech.com for information.

