



Preventive Measures. Predictable Results.

A preventive approach using vibration analysis provides:

- » Increased equipment life
- » Elimination of equipment failures
- » Overall operational savings
- » Improved productivity and efficiency
- » Diagnosis of dynamic or wear-related faults
- » Analysis of potential excessive energy consumption



Vibration Analysis

Less Equipment Wear. Better Performance.

EMCOR Services Team Mechanical (Team Mechanical) provides its clients with high quality mechanical, commercial HVAC, and building automation consulting and services. As commercial HVAC contractors with the knowledge and experience to provide commercial chiller services, the Team Mechanical team of specialists is ready to take on virtually any mechanical challenge that arises.

Whether a company is looking to conserve energy, increase productivity, or improve profitability, Team Mechanical's preventive and predictive maintenance services can help identify problem areas before they become expensive repairs or replacements. By combining equipment and systems expertise with today's leading-edge technologies, Team Mechanical helps increase equipment reliability while improving cost control measures.

Vibration Analysis: The Problem.

When motors, pumps, bearings, fans, and other similar components vibrate in ways they are not meant to, continuous and uneven wear can occur. When this happens, operations can be interrupted, and time, money, and productivity can be wasted. One of the most effective ways to avoid these problems is to implement a vibration analysis program prior to vibration issues arising.

Vibration Analysis: The Solution.

Using today's most advanced vibration analysis technology, Team Mechanical's experts establish a vibration baseline for critical equipment. After doing so, we measure performance regularly, watching for significant baseline deviations. This allows us to detect problems and identify causes early, so clients can plan ahead and schedule appropriate maintenance procedures when they are most convenient. It's one of the smartest ways to prevent major failures, minimize operational disruptions, and reduce overall business impact.

Embrace Innovation. Avoid Problems.

Vibration analysis procedures can help clients avoid:

- » Major repairs and costly replacements that result from extensive machine damage
- » Unnecessary materials waste—because when a breakdown occurs, materials often need to be discarded
- » Damage to other equipment and/or parts caused by improper operation of failing components
- » Higher energy costs that result when efficiency declines and equipment has to compensate by consuming more energy
- » Unnecessary maintenance costs from scheduled maintenance programs that require shutting down equipment and replacing parts that may still be functioning properly



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