

Asset Reliability Services for Mechanical Equipment



WE DON'T HAVE A GUY WHO DOES MACHINERY ANALYSIS. WE HAVE A WHOLE COMPANY!

Since 1984, Emerson's Machinery Health Management business has been at the forefront of the vibration analysis field. From designing the fastest, most advanced machinery analyzers in the industry to offering complete and experienced contract vibration analysis services, Emerson has defined vibration analysis.

EXPERIENCED COMPANY

For the past 20 years Emerson has been providing world class solutions for industrial maintenance. We have worked with 80% of the Fortune 1000 companies and in all major industries.

EXPERIENCED ANALYSTS

Emerson uses professional, full time analysts – no subcontractors – with an average of 18 years industrial experience. This ensures you get a trained and experienced analyst every time on every job.

PROVEN QUALITY

Emerson's Machinery Health Management business is the only major PdM Service provider certified ISO 9001.

NO HIDDEN AGENDAS

Emerson's Machinery Health Management business is not associated with any equipment manufacturers or suppliers, so we report our findings regardless of potential warranty issues. The only interests we look out for are yours.

NATIONAL COVERAGE WITH LOCAL SUPPORT

Emerson has local analysts nationwide. Whether you are responsible for a small plant or a large corporate program, you get the same quality service.

BEYOND ROTATING EQUIPMENT

Like you, we are concerned about more than just the rotating equipment in your plant. As an Emerson Process Management business, we can provide you with a single source for your mechanical, electrical, valve, instrumentation and control reliability needs. All of this with a single point of contact and in many cases a single order.



Asset Reliability Services for Mechanical Equipment

Machinery Health™ Management Program Design

- Machinery Health Audit
- Equipment Reliability Prioritization
- Diagnostic Technology Selection
- Preventive Maintenance Optimization
- Performance and Cost-benefit Metrics

Machinery Monitoring and Analysis (Vibration and other PdM Technologies)

- Onsite and Remote
- Periodic and Continuous Online
- Long-term contract or on-call as needed
- Laboratory oil analysis

Machinery Balancing and Alignment

- Laser Alignment
- Dynamic Balancing

Application of Technology

- Predictive Maintenance Technologies
 - Online vibration
 - Portable vibration
 - Oil analysis
 - Infrared thermography
 - Sonic and ultrasonic analysis
 - Motor analysis
- Corrective Technologies
 - Alignment
 - Balancing
- AMS™ Suite: Machinery Health Manager

Advanced Vibration Analysis

- Modal and multi-channel
- Operational deflection shapes (ODS)
- Reciprocating Equipment Analysis

CSI Technology Implementation (In-house Programs)

- AMS™ Suite: Machinery Health Manager
- Portable and Online Vibration Analysis
- Onsite Oil Analysis
- Infrared Thermography
- Alignment and Balancing
- Sonic and Ultrasonic Analysis

Education and Certification

- Machinery Health Management Training
- CSI Technology Training
 - Classroom and onsite
 - Certification
- Coaching and Mentoring
 - Onsite
 - Remote

Assets Served

- Turbines/Generators
- Compressors
- Engines
- Pumps
- Motors
- Motor control centers
- Switchgear, connections and cables
- Transmission and distribution
- Gearboxes
- Fans
- Rolls
- Presses
- Conveyors
- Boilers
- Refractory

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