Vibration Analysis

NTT Training
A DIVISION OF ECPI UNIVERSITY

This three-day course will teach field workers to use, read, and be able to use their own instruments and analytics related to vibration on rotating machinery.

Basic vibration theory will be discussed along with the existing maintenance systems, Predictive and Preventative maintenance programs, and procedures for a good condition monitoring system. You will leave with a better understanding of the processes and specific ideas on how to apply them in your facility.

*When taught on-site, this course has the option of an additional 4th day to walkthrough and review your equipment and opportunities for vibration analysis.

WHAT THIS COURSE COVERS

- Vibration Basics
- Concepts and Theories
- Instruments
- Typical Vibration Problems
- Techniques
- Machine Diagnostics
- Trending
- Acoustics

COURSE OUTCOMES

- Understand Predictive vs. Preventative Maintenance Programs
- Identify the Types of Deterioration in Plant Machinery
- Use Condition Monitoring Techniques to Diagnose and Predict Operation Failure
- Perform Pro-Active Maintenance to Improve Plant Productivity

WHO SHOULD TAKE THIS

- Mechanics
- Maintenance Technicians Energy Management Personnel
- Facility Maintenance Technicians \ Building Engineers
- Building Managers and Superintendents \ Facility Managers
- Stationary Engineers
- Owners and Managers

COURSE AGENDA

- Vibration Basics
- Concepts and Theories
- Instruments
- Machine Diagnostics
- Typical Vibrations Problems
- Trending
- Acoustics

☐ Lecture ☑ Hands-on • ONSITE: 3-days (24 hours) • LIVE ONLINE: N/A