

Vibration Monitoring Overview for Management

Purpose:

The purpose of this course is to give an overview of vibration monitoring. It is tailored as a management overview concentrating on benefits, capabilities, payback, and program management

Objectives:

At the completion of this course, the student who actively participates will:

- Learn what vibration monitoring can and cannot do.
- Learn the principles behind predictive maintenance
- Learn the basic language of vibration monitoring and analysis
- Learn what to consider before buying monitoring equipment or contracting for a service.
- Learn several ways to structure a monitoring program
- Discuss the first six months of a program and how to make it a success.
- Select appropriate actions to take based on the results of monitoring.
- Consider several ways to initiate action and track the results on monitoring.
- Discuss how to calculate pay-back from a program.

Description:

This is a case study based presentation and guided group discussion of vibration monitoring. Participant input and discussion is encouraged for maximum learning.

Content:

- Introduction
- Effects of vibration on machinery health
- Predictive Maintenance
- The language of Vibration
- Causes of Machinery Vibration
- Vibration Program Development
- Vibration Program Management
- Actions to be taken
- Useful reports & Data Interpretation