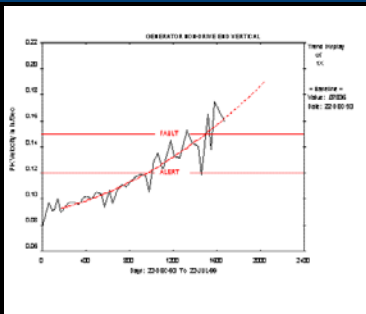


Plant Performance Learning Services



Workshop Objectives:

Participants will be introduced to:

- Vibration terminology
- Vibration units
- Types of diagnostic plots (examples of trend, frequency and time plots will be shown)
- Analysis techniques used to detect common bearing and gear faults
- The use of vibration standards

What's included:

- Expert facilitators
- Professional training materials
- Live demonstrations
- Case histories
- Networking opportunities
- 1.9 Continuing Education Units (with exam only)

Introduction to Vibration Analysis (Category I) – Two Days (w/o exam), Two and a Half Days (w/exam)

Who Should Attend?

This course is designed for individuals with no prior training or experience in the vibration measurement field. It is aimed at the technician, engineer, or manager who does not need in-depth knowledge of the technology or cannot dedicate four (4) or more days from their schedule. This course will be beneficial to individuals:

- As an introduction to the capabilities of vibration analysis.
- Managing or supervising the efforts of vibration specialists.
- Needing to understand vibration analysis reports.
- Evaluating the benefits of starting a vibration based predictive maintenance program.

What you will learn:

This course is designed to provide an overview of vibration analysis technology as it can be applied to predictive maintenance. Course content includes the fundamentals of vibration analysis and the procedures used to implement predictive maintenance on rotating machinery used in manufacturing and plant facilities. A series of lectures with live demonstrations, combined with case histories, are used to reinforce the principles learned. Topics include the following:

- Introduction to Vibration
- Vibration Units (Amplitude, Frequency and Phase)
- Vibration Sensors (Accelerometers and Shaft Displacement)
- Vibration Diagnostic Plots (Trend, Spectrum and Time Waveform)
- Vibration Analysis of Ball & Roller Bearings, Imbalance, Misalignment, Mechanical Looseness, Gears and Resonance
- Vibration Standards

ISO Vibration Analysis Category I Examination is optional and may be available for an additional fee.

Prerequisites:

- No previous vibration experience needed.

For Information:

- Open training classes, visit www.ittps.com/learning.html or call 315-568-7548 (Note: Open classes include breakfast and lunch. Company group discounts are available for 3 or more registrants.)
- Private or tailored offerings, call 800-734-7867
- ITT's Plant Performance Services, visit www.ittps.com

