

Intermediate Vibration Analysis

Master the knowledge of Vibration Condition Monitoring and Diagnostics through Advanced Health Machinery Analysis Techniques

COURSE OUTLINE:

In this 4-day course, category II vibration analysts are expected to be able to:

- Select appropriate vibration measurement techniques
- Set up instruments for basic resolution of amplitude frequency, and time
- Perform single-channel impact tests
- Classify, interpret, and evaluate test results in accordance with applicable specifications and standards
- Recommend minor corrective actions
- Understand basic single plane field balancing concepts

The course also features the use of the AMS 2140 Machinery Analyzer in conjunction with advanced machinery analysis techniques. Discussions of case histories on machinery faults are one of the focal points of this course. This course complies with Category II Vibration Analyst per ISO Standard 18436-2: Vibration condition monitoring and diagnostics.

Prerequisites:

Basic Vibration Analysis and a cumulative 18 months of field experience are recommended.

Date: October 19-23, 2020

Time: 8:00am - 5:00pm

Cost: \$3,250 (Includes exam fee)
(Lunch & Refreshments Included)

Location: Lakeside Process Controls
2745 Hogan Drive
Mississauga, ON, L5N 0E9

LIMITED SPACE AVAILABLE

AGENDA

Topics:

- Equipment Testing & Diagnostics
- Reference Standards
- Reporting & Documentation
- Fault Severity Determination
- Analyzer Averaging Techniques
- Sensor Selection Guidelines
- Introduction to Demodulation and PeakVue
- Advanced Waveform Analysis
- Sideband Analysis
- Rolling Element Bearing Failure Modes
- Advanced Electrical Analysis Techniques
- Pump/Fan Vibration
- Phase Analysis Using Single and Dual Channel
- Perform Basic Single-Plane Field Balancing

Cancellations: If your plans or budgets change, you may cancel your reservation up to 14 calendar days prior to the start of the course without incurring a cancellation charge. Limited enrollment makes it necessary to charge 50% of the full tuition for cancellations received during the 14 days prior to the start of the course, and full tuition for failure to attend without canceling. Substitutions are accepted until the first day of class.

All courses are subject to cancellation due to insufficient enrollment, unforeseen program changes, circumstances in the workplace associated with a program or course, or instructor availability, etc.

