

Category II: Vibration Analysis

NorthPoint's Vibration Analysis Training Courses are generally compliant with the ISO 18436-2 standard for personnel involved in non-destructive testing, condition monitoring and machinery diagnostics, offering the appropriate theoretical and practical hands-on knowledge of vibration measurement and analysis. The ISO 18436-2 standard stipulates theory covered is non-product specific to ensure that concepts are grasped prior to introducing instrumentation technology. The courses are recognized by the Engineering Institute of Canada for Continuing Education Units (CEU's).

NorthPoint's Vibration Analysis training courses (Category I – IV, Part A & B) track directly to optional certification examinations. Certification provides a means for evaluating and documenting the competence of individuals and provides companies with the confidence of identifying individuals who are best suited and qualified to perform work.

Attendees should have completed or have the knowledge and skills taught in Category I Vibration Analysis and have a minimum of 18 months of relevant experience. The ISO 18436-2 standard also recommends that students should have successfully completed secondary school or its equivalent.

The objective of this course is to qualify individuals to perform and/or direct vibration measurements and analysis according to established and recognized procedures.

Performance Objectives: Category II: Vibration Analysis

Personnel certified to Category II require all the knowledge and skills expected of Category I and shall be qualified to:

- Select the appropriate machinery vibration measurements technique;
- Setup instrumentation for basic resolution of amplitude, frequency and time;
- Perform basic vibration analysis of machinery and components such as shafts, bearings, gears, fans, pumps and motors using spectrum analysis;
- Maintain a database of results and trends;
- Perform basic(single channel) impact tests to determine natural frequencies;
- Classify, interpret and evaluate the test results (including acceptance tests) in accordance with applicable specifications and standards;
- Recommend minor corrective actions;
- Understand basic single plane field balancing concepts.

For more information or to register email adoyle@northpointts.com