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## ISO Category 2 Certified Vibration Training in partnership with CMVA

STCD is pleased to offer a CAT-2 vibration course per ISO 18436-2 standards. Due to the rising costs to offer our vibration courses, we have determined that a minimum number of students must be enrolled in the courses to make them feasible. For that course, we will need a minimum of 10 students, so please consider registering early. Once a student is enrolled, and if the student is unable to attend, a seat will be reserved in the next CAT-2 course.

- Certification 2 – Basic Analysis
- Duration of the training: 38 hours (5 days) This includes some hands-on exercises.
- Date: April 28<sup>th</sup> to May 2<sup>nd</sup>, 2025 (**Exam on Friday Afternoon May 2<sup>nd</sup>**)
- Time: 08 :00 am – 05 :00 pm
- Trainer: Louis Lavallée, CAT III certified
- Examen duration: 3 hours / 100 questions (70% or better is required to pass)
- Location: Holiday Inn., Saint John, NB

### The subjects to be covered are:

- 01:** Principles of vibration
- 02:** Data Acquisition
- 03:** Signal processing
- 04:** Condition Monitoring
- 05:** Fault Analysis
- 06:** Corrective Action
- 07:** Equipment Knowledge
- 08:** Acceptance Testing
- 09:** Equipment Testing and Diagnostics
- 10:** Reference Standards
- 11:** Reporting and Documentation
- 12:** Fault Severity Determination

This course will prepare students for the CMVA written exam for Category 2 and will also provide them guidance for completion of the 'Field Practicum' part of the certification under the CMVA program. Students are encouraged to bring their own vibration instruments if possible and the appropriate software on their laptop computers; however, it is not necessary to rent a unit to participate in the course. Opportunity to use some other vibration instruments will also be provided with accessibility depending on the number of participants and how many systems students bring.

Candidates hoping for certification should also be aware that ISO standard recommends a minimum of 18 months full time (40 hours per week) experience with vibration analysis data collection work in addition to the 38 hours of training provided in this course. The CMVA Certification requirements and policies should be reviewed and understood by all candidates as these are not flexible and not at the discretion of the trainers.

- The price per participant: **\$1,995.00 (virtual)/\$2,495.00 (classroom)** lunch and breaks included
- To register contact Wally Caines [wally@stcd.ca](mailto:wally@stcd.ca) or Wayne Caines [wayne@stcd.ca](mailto:wayne@stcd.ca)
- **Deadline for registration:** March 14<sup>th</sup>, 2025

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