VCAT-I JUNIOR VIBRATION ANALYST ISO 18436-2 CATEGORY I

COURSE OVERVIEW

Learn to be an effective vibration technician—capable of collecting quality data, and performing basic analysis and data validation—with advanced 3D animations and interactive simulations that make everything easy to understand.

Once you complete the training, you can take the exam with confidence, and become certified to ISO 18436- 2 Category I via the internationally respected Mobius Institute Board of Certification [MIBoC]. The MIBoC certification is accredited to ISO/IEC 17024 - there is no higher standard. You will join thousands of other Mobius Institute certified analysts around the world.

VCAT-I CANDIDATE PROFILE

This course is intended for the vibration analyst who will:

- Collect vibration data
- Validate that the data is good
- Begin to perform basic analysis
- Use the training and certification as the start of a new and rewarding career as a vibration analyst

BENEFITS

You will learn…

- About condition monitoring, including a summary of the most common technologies
- About reliability improvement
- How vibration analysis plays a key role in reliability improvement
- About how machines work via the supplementary selfstudy "equipment knowledge" section of the manual
- About the fundamentals of vibration: waveforms, spectra, and simple metrics (overall levels, RMS, peak, peak to peak, and crest factor)
- How to take dependable, repeatable, high-quality vibration readings
- About vibration sensors, and how and where to mount them
- The basics of the analysis process, primarily with vibration spectra
- The basics of the key analyzer settings: fmax, resolution, and averaging
- The basics of setting alarm limits
- About the common "failure modes" of machines and how to detect them, including rolling element bearing faults, unbalance, misalignment, looseness, and resonance

FAST FACTS

Compliance:

- Training and certification: ISO 18436-2
- Certification: ISO 18436-1, ISO/IEC 17024
- Training: ISO 18436-3

Exam:

- Two hours
- 60 multiple-choice questions
- 70% passing grade
- Can be taken online

Certification requirements:

- Training course completed
- 6-months of work experience, verified by an independent person
- Pass the exam
- Valid for 5 years

Pre-study:

- Access to the "Learning Zone" upon registration and payment
- Complete set of videos covering every topic
- An excellent way to be prepared and get the most from the course

Contact for pricing
Printed course manuals &
Exam fee included

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