



Machinery Diagnostics Institute

MDI – Machinery Diagnostics Institute are worldwide professionals providing class room and virtual online interactive technical trainings, based in Queensland – Australia.

Teaching staff are real practitioners specialized in delivering knowledge of Machinery Diagnostics techniques from basic levels to the most advanced.

Helping technical teams to develop their knowledge, knowing how to best utilize the most advanced diagnostics techniques and improve site performance through delivering accredit trainings and guiding them to the best practices.



**Vibration
Analysis**



**Thermal
Imaging**



**Machinery
Lubrication**



**Ultrasound
Testing**



**Turbo-
Machinery
Analysis**



**Machinery
Balancing**



**Shaft
Alignment**



**Asset
Reliability**

OUR PARTNERS





Mobius Institute
Industry's Leading Vibration
Analysis Training & Certification
Providers

Vibration Analysis CAT III

ISO 18436 – VA CAT III

ISO Vibration Analysis CAT III is a five-days course, the training is intended for people who are confident with spectrum analysis but wish to push on and learn more about signal processing, time waveform and phase analysis, cross-channel testing, machine dynamics, and fault correction.

MDI – Machinery Diagnostics Institute Provides this training as per the partnership with **Mobius Institute**, Accredited certification of successful completion is issued from **Mobius Institute** after the training. Accredited certification according to ISO 18436 is issued from **Mobius Institute** after passing the ISO examination.

ISO Vibration Analysis – CAT III Training Main Topics:

- Condition monitoring and ISO standards
- Signal processing and data acquisition
- Time waveform analysis
- Phase analysis
- Natural frequencies & resonance
- Operating Deflection Shape (ODS)
- Modal analysis and intro to FEA
- Correcting resonances
- Journal bearing fault detection
- Electric motor testing
- Rolling element bearing fault detection
- Pumps, fans and compressors
- Gearbox fault detection
- Corrective action / Acceptance testing
- Review of ISO standards

ISO Vibration Analysis – CAT III Training Facts

Compliance:

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

Exam:

- Four hours
- 100 multiple-choice questions
- 70% passing grade
- Can be taken online

Certification requirements:

- Training course completed
- 36 months of vibration analysis experience, verified by an independent person
- Pass the exam
- Certification is 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 for the course

Post-study:

- Continue to access the Learning Zone for 4-months after the course or upgrade your access for a lifetime with Life Long Learning (LLL).



MDI - Machinery Diagnostics Institute - Gracemere, Queensland – Australia
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