



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

Vibration Analysis CAT IV

ISO 18436 – VA CAT IV

The primary focus the course is the measurement, analysis, dynamics & balancing of turbomachinery.

Topics will include proximity probe and casing measurements, orbit and centerline plot analysis, rotor dynamics (natural frequencies, modeling), journal bearings (design, fluid film instabilities), and flexible rotor balancing, as it will also cover torsional vibration.

- Vibration the **oldest** and most known tool for Machinery Conditioning Monitoring .
- The ISO 18436 and the very first parts of it is for the vibration analyst training.
- **MDI – Machinery Diagnostics Institute** has the ability to deliver **Mobius Institute's** courses anywhere worldwide without being committed to a specific territory.

MDI – Machinery Diagnostics Institute Provides this training,

Accredit certification of successful completion is issued from **Mobius Institute** after the training.

Accredit certification according to ISO 18436 is issued from **Mobius Institute** after passing the ISO examination.

Course Parts - Part 1:

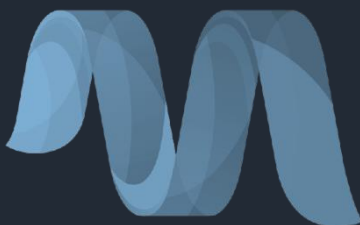
Focus must be given on advanced signal processing, structural dynamics, corrective action (isolation, resonance correction, etc.), ODS, and modal analysis.

Along with the topic review we will go through the worked examples and students will be given poll questions to test their knowledge.

Part 2:

Focus must be given on proximity probe measurements, conventions, orbits, center line plots, journal bearings, rotor dynamics, diagnosing common faults associated with journal bearings and turbo-machinery, and flexible rotor balancing.

Along with the topic review we will go through the worked Examples and students will be given poll questions to test their knowledge.



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