

Category III Vibration Analyst Training and Certification Examination Awarded by VIBRATION INSTITUTE USA in accordance with ISO 18436-2:2003

CATEGORY III VIBRATION ANALYST

The Vibration Institute's Certification Program for Vibration Analyst was developed by and is governed by a committee representing various industries and is used worldwide. The Vibration Institute's Certification Program follows the International Standards Organization, **ISO 18436.2, Condition Monitoring and Diagnostics of Machines - Requirements for Training and Certification of Personnel - Part 2: Vibration Condition Monitoring and Diagnostics.**

1. Principles of vibration

Theory and General Principles, Data Acquisition and Data Processing.

2. Analytical Techniques

Time and Frequency Analysis, Orbit and Phase Analysis, Resonance and Critical Speed Testing, Condition Evaluation and Basic Dual Channel Testing.

- Identification of Machine forces and frequencies
- Isolation and damping of installed equipment
- Spectral, time waveform, phase, and orbital analysis

3. Correction Techniques

- Vibration Control and Balancing
- Single-plane balancing

4. Applications

Rolling Element Bearings, Operating Speed Including FF Bearings. Centrifugal Machines, Motors & Generators, Gearboxes and Rolls, Spindles, Presses.

- Machine specific analysis, Motors, fans, pumps compressors engines, presses and turbines.

6. Reference standards

- ISO, IEC, relevant national standards.
- Setting alarms for efficient predictive maintenance

Benefits

- Prepare for a better Analyst.
- Provide a deeper Understanding of Vibration Principles & Techniques.
- Ensure Analyst Meet the Standard Level of Knowledge and Expertise.

Who should attend?

Technical Superintendent / Chief / Mechanic / Electrician, Maintenance Manager/ Staff who involve in direct maintenance, trouble shooting of rotating machinery and want to enhance knowledge in best maintenance program and continuous improvement.

Training by

Mr. Jack D. Peters is an associate instructor for the Vibration Institute, and is certified as a Vibration Analyst Category IV in accordance with ISO 18436-2.

The **Vibration Institute** recognizes the certifications of the *Canadian Machinery Vibration Association (CMVA)*, the *Japan Society of Mechanical Engineers (JSME)*, the *Korean Certification Institute for Machine Diagnostics (KCIMD)*, and the *British Institute for Non-Destructive Testing (BINDT)*.

The course will be Monday – Thursday, and the certification exam will be held Friday morning from 09:00 to 12:00. (April'2-6, 2012) This course is taught in accordance with ISO 18436-2.

The Vibration Institute also offers the only certification examination that is accredited in accordance with ISO 17024.

Contact for Information at Thai-German Institute to PM section.

Tel: 02 784 6666 or 038 215 033-9 Ext. 1800-6

Mr. Sumate (085-669-4622)

E-mail: mt.center@gmail.com or www.tgipmt.com

VCAT III Vibration Analyst
Awarded by VIBRATION INSTITUTE USA
ISO 18436-2 Category III
April'2-6, 2012

Company Name

TGI Member NO.

Not Member

Address for recipe

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Telephone

Fax

Contact person.....

E-mail:

1.Name Position.....

2.Name Position.....

3.Name Position

MVA ,Training fee 70,000 THB. TGI Member 67,000 THB.

Include examination fee (Category III(MVA) ,Exclude vat 7%)

Category II Examination fee 25,000 THB

Category III Examination fee 30,000 THB

The Examination date will be on April'6, 2011.

Training fee include training Material, Vibration Institute membership, Coffee Break and Lunch.

At Thai German Institute Amata Nakorn Industry Estate.

More information please contact to:

Plant Maintenance Technology

Tel: 02 784 6666 or 038 215 033-44 # 1800 – 1806

Fax : 02 784 6689

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