

# VIBRATION ANALYST CATEGORY I (32 HOURS)

(ISO 18436-2)

1st call: April 15 - 19

2nd call: October 21 to 25

## SCHEDULE

Monday to thursday: 9:00 to 14:00 - 15:00 to 18:00

Friday: 9:00 to 12:30 - EXAM

## PRICE

COURSE: **995€** + EXAM: **400€** (VAT NOT INCLUDED)

## PLACE

TSI's headquartes in Madrid

**Course Director: Mr. Publio Beltrán Palomo****Trainers: Engineers specialized in noise and vibrations**

## KEYS TO SUCCESS

- **Certified Training:** Category I Vibration Analyst Course is a Certified Training and endorsed by the Vibration Institute, a North American entity with more than 45 years of experience in the area of mechanical vibrations.
- **Training Staff:** Made up of specialised TSI personnel with more than 35 years of experience and backed by more than 2,500 Diagnostic and fault resolution studies.
- **Continuing Education:** Participation in this course leaves you with a "permanent open window" to a "TSI specialist team" who will attend to your queries on equipment operation, diagnosis and troubleshooting.

## CERTIFICATION ISSUED BY:



## COURSE CONTENT

1. BASIC VIBRATION THEORY.
2. BASIC PRINCIPLES OF DATA ACQUISITION.
3. DATA PROCESSING.
4. FAULT ANALYSIS AND MONITORING: THE IMPORTANCE OF THE BASELINE.
5. INTRODUCTION TO FAULT DIAGNOSIS. CASE STUDIES.
6. CORRECTIVE ACTIONS AND ACCEPTANCE TESTING.
7. ASSESSMENT OF FAULT SEVERITY- ISO 10816 STANDARDS.
8. RELATED MEASUREMENT REPORTS AND DOCUMENTATION.

### VIBRATION ANALYST CATEGORY I CERTIFICATION BY TRAINING ATTENDEES IN:

- Basic knowledges for checking the rotating machinery behavior using vibration analysis.
- Basic knowledges about: measurement chain, signal processing, analysis and diagnosis, reference standards, corrective actions and monitoring systems.

### PRACTICAL DEVELOPMENT

As a complement to the theoretical presentation, attendees participate in working groups in the resolution of Practical Cases.  
A certificate of attendance will be awarded.

## CONTACT US

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## ADDITIONAL INFORMATION

**THIS TRAINING IS GIVEN ONLY ON A FACE-TO-FACE BASIS**

### WHO IS IT AIMED AT?

Technicians and Managers of Reliability and/or Predictive Maintenance Departments. With basic knowledge in the verification of the state of machinery by means of vibration analysis and basic knowledge of the measurement chain, processing, signal, among others.

**Experience in machinery** diagnosis by means of vibration analysis is not required.

### FORMALISATION OF ENROLMENT

Reservations can be made by telephone or e-mail. Subject to advance payment of the fee by cheque or bank transfer.

### CANCELLATION POLICY

Cancellation up to 20 working days before the start of the course will be refunded minus a 15% administration fee, plus the cost of the exam.

**For ADAPTED COURSES, please contact TSI**