



TECHNICAL TRAINING SEMINAR

MACHINERY FAULT DIAGNOSIS

Description

5-days (30 Hrs.) Machinery Fault Diagnosis seminar involves the fundamental theories and the advanced methods of fault diagnostics for rotating machinery. These methods are paralleled by experimental investigations and real applications for rotors, rolling element bearings, and gears. It is able to provide a guide to know the basic concepts and the fundamental theories

Machinery Fault Diagnosis provides an introduction to Maintenance; basic of machinery Vibration analysis; how to use it for machinery diagnosis; and how to identify common rotating machinery faults. Case Histories are also presented to review typical field experiences & recommended procedures.

Moreover the course will also provide an overview of various on-line monitoring systems used in plants to monitor critical machinery. This helps users better understand the machinery condition information that is available to better operate their machinery.

There are no prerequisites to taking this course, though a general knowledge of plant machinery is helpful. Attendees are given a Certificate of Completion at the end of the seminar; there is no certification examination.

Who Should Attend?

This course is designed for rotating equipment engineers, Mechanical or Electrical fresh Engineers who will be responsible for the operation, maintenance and reliability of rotating equipment.

Prerequisites

No prior vibration analysis experience is required. General knowledge of industrial rotating machinery is helpful

Seminar Outline

- Introduction and Principles of Maintenance
- Fault Diagnostics and Prognostics
- Basic of Machinery Vibration Analysis
- Basic of Instrumentation
- Vibration & Noise Monitoring
- Machinery Fault Detection for Mechanical & Electrical Components
- NDT Inspection
- Oil Analysis Introduction to Machinery Fault Analysis
- Case History

Instructor: Dr. Engr. Nabil Rashwan (Vibration & CBM Consultant)

Price for PUA Student: (500 EGP.) for PUA Graduated (750 EGP.)

Minimum Attendees: 20 Persons