

CONDITION MONITORING AND VIBRATION CONTROL OF MACHINES AND PLANT (REF:OTSCMVPO01)

Course Objectives

To understand how to monitor operating conditions and vibrations of machinery and plant.

Course Description

This course covers a range of topics for condition monitoring of machines and plants, e.g. basic visual techniques, oil debris analysis, and advanced vibration monitoring and control techniques.

Who Should Attend

Engineers, scientists and managers wishing to gain knowledge of condition monitoring and vibration control of machines and plant.

Pre-Requisites

All Attendees should have a sound power generation background.

Course Outcome

At the end of this course you will be able to monitor the operating conditions and vibrations of machinery and plant.

Day 1

Introduction
Introduction to condition monitoring
Basic visual techniques
Oil debris analyses

Day 2

Basic instrumentation
Ultrasonic monitoring techniques
Vibration monitoring techniques
Introduction to vibration control of machines and plants

Day 3

Exercises and discussions
Summary

Course Review and Feedback

