

Introduction to Oil Analysis

Purpose:

This course is an overview for managers, supervisors and skilled trades of basic oil analysis techniques and how to understand their results.

Objectives:

At the completion of this course, the student who actively participates will:

- Understand the importance of proper lubrication properties and cleanliness
- Understand how machine condition can be assessed from the lubricant tests
- Understand the basic tests of lubricants
- Be able to interpret test results and determine required actions

Description:

This is a case study based course with some hands-on. Participants will review the most common methods of analyzing lubricant samples and discuss the meaning of the results. Hands-on will include some simple field tests to illustrate basic testing principles.

Content:

- Introduction
- Why is lubrication important
- Lubrication principles
- Lubricants
- Lubricant properties tests
- Lubricant cleanliness tests
- Machine condition tests
- Summary