

Industrial Lubrication Systems

Description

This course will properly teach the student the skills necessary for properly operating plant lubrication systems. Topics include: lubrication in general, central lubrication, lubrication systems layout and automatic control of lubrication.

There will be various hands on lubrication labs throughout this seminar.

Outline

- Lubrication in General
- Types of Lubricants
- Breakdown of Lubricants
- Lubrication of Bearings
- Various Lubrication Systems
- Central Lubrication
- Basic Filtration Lubrication
- Oil Analysis
- PM for Lubrication Systems
- Setting up a Lubrication Program
- Lubrication Systems Layout
- Automatic Control of Lubrication
- There will be various hands on lubrication labs throughout this seminar

Prerequisites

There are no prerequisites for this course except a willingness to learn and a desire to participate in an instructor led, "hands-on" course.

Books, handouts, charts and other reference materials are provided for all participants.

This course would be helpful for all skilled trades workers whose responsibilities include the operation, maintenance and troubleshooting of lubrication systems.

Performance Objectives

At the completion of this course the participant will have developed an understanding of Industrial Lubrication Systems. The participants will learn to:

- 1) Have a more complete understanding of Lubrication Principles
- 2) Perform maintenance required on an Automatic Lubrication System
- 3) Understand the applications of various Viscosity Lubricants
- 4) Implement a Preventive Maintenance Program to be applied to Industrial Lubrication
- 5) Properly maintain filters, lubrication levels, amounts, pumps, reservoirs and distribution systems
- 6) Participate in Oil Analysis as a troubleshooting function
- 7) Correctly operate plant Lubrication Systems
- 8) Select the correct type of Lubrication Systems for various bearings.

Course Length

24 hours/ Up to 12 participants.