

# BEARING LUBRICATION

ONE DAY TRAINING COURSE

## COURSE OVERVIEW

Just like the blood in the human body, lubricant is to the bearing to survive and thrive their performance in the machine. If bearing is like the heart of the machine then lubricant is the blood of the bearing. If we take care of the quality, quantity and frequency of the lubricant used in the bearings we can easily enhance the bearing life to the maximum level. We will share with the participants knowledge and tools to select the right lubricant in the right quality and at the right time.

## COURSE OVERVIEW

Participants will learn the uses of lubricants and how to get maximum performance from the right lubricant in the right application. Starting from the selection of the lubricant to failure analysis of the lubricant; we will try to cover most of the important topics related to the lubrication management in rotating equipment. This topic is important for engineering professionals because more than 30 % bearings are failed due to improper lubrication.

ONE DAY | 0900 - 1700 HRS

USD 1,300.0 / SESSION

15 PARTICIPANTS

## COURSE CONTENT

- Introduction to lubricants & their uses
- What is grease lubrication & it's benefits
- What is oil base lubrication
- Viscosity of oils & greases
- Lubrication temperature range
- Consistency, thickeners & compatibility
- Relubrication quantity and frequency
- Oil lubrication application & methods
- Mineral oils, EP additives, synthetic oils
- Load carrying ability of lubricants
- Types of lubrication failures & remedies.

## WHO SHOULD ATTEND

Technical staff working at any plant site in engineering or maintenance department starting from front line staff to assistant managers. | Engineers working in reliability & maintenance departments | Condition monitoring engineers involved in bearing handling & maintenance.