Lubrication Techniques of Bearings, Steam Turbine, Air Compressors & Gear Failure

TM219

Course Overview:

This course offers intensive insight into Lubrication life improvement and .The participant will gain knowledge in Lubrication selection, proper lubrication and troubleshooting skills as well as predictive and preventive maintenance

Course Objective:

The course presents a systematic approach to the basics of Lubrication,. It first adopts a general approach to the importance of Lubrication and maintenance and its main motives, then it explains what is meant by maintenance types, like preventive maintenance, corrective and adaptive maintenance and the skeletons of maintenance systems.

Course Outline:

1. INTRODUCTION TO LUBRICATION
2. CLASSIFICATION OF LUBRICATION
3. OIL LUBRICANTS
4. GREASE LUBRICANTS
5. TYPES OF LUBRICANTS
6. REFINING OF LUBRICANTS
7. LUBRICANTS CHARACTERISTICS
8. CHEMISTRY OF LUBRICANTS
9. LUBRICANTS SELECTION (LOAD, SPEED, TEMPERATURE AND ENVIRONMENT)
10. LUBRICANTS STORAGE AND HANDLING
11. Lubrication of Bearings
12. Lubrication of Steam Turbine
13. Lubrication of Air Compressors
14. Lubrication of Gear Failure

Who Should Attend:

1. Electrical, mechanical, and chemical Engineers.
2. Senior technicians who work in the operation and maintenance.
3. Technicians who would like to refresh their knowledge.
4. Mechanical and chemical Engineers who are interested in Lubrication.

Training Language:

EN / AR

Training Methodology:

-Presentation & Slides
-Audio Visual Aids
-Interactive Discussion
-Participatory Exercise
-Action Learning
-Class Activities
-Case Studies
-Workshops
-Simulation