

MECHANICAL COURSES

MECHANICAL FAULT ANALYSIS (M80A)

OBJECTIVE:

This course provides knowledge and skill in how to analyze mechanical faults in equipment.

WHO SHOULD ATTEND?

This course is recommended for supervisors, mechanical engineers, technicians and others who are involved with mechanical maintenance.

COURSE CONTENT:

- Vibration Fault Analysis (V. F. A)
- Centrifugal Pump F. A
- Compressor F. A
- Bearing F. A
- Mechanical Seal F. A
- Gear F. A
- Boiler F. A
- Heat Exchanger F. A

PRACTICAL TASK:

- Identifying Types of Pump-Compressors-Bearings-Gears-Boiler and Heat Exchangers
- How to Select the Correct Way to Analysis Mechanical Equipment Failure
- How to Differentiate Between Fault and Troubleshooting

Duration: 5 Days

| Date: | Venue: | Cost: |
|-------------|--------|---------|
| Jan 5 – 9 | Dammam | SR6,000 |
| Jun 21 – 25 | Dammam | SR6,000 |

MACHINERY FAILURE ANALYSIS and PREVENTION (M69A)

OBJECTIVE:

This seminar provides information with necessary knowledge for sources of failure analysis of machine components and methods of prevention.

WHO SHOULD ATTEND?

This seminar is recommended for Engineers, Technicians and whoever is involved on machinery failure analysis and prevention.

COURSE CONTENT:

- Introduction to Machine Components
- Failure Theories, and Causes
- Failure Mechanisms
- Reliability and Availability
- Operation of Machines & its Relation to Failure
- True Life Conditions
- Preventive Maintenance, Oiling and Greasing
- Predictive Maintenance Program
- Fault Analysis Diagnosis
- Case Studies

Duration: 5 Days

| Date: | Venue: | Cost: |
|-------------|--------|---------|
| Apr 19 – 23 | Dammam | SR6,000 |
| Oct 25 – 29 | Dammam | SR6,000 |