

MECHANICAL COURSES

DIESEL ENGINE MAINTENANCE and TROUBLESHOOTING (M13A)

OBJECTIVE:

This course provides knowledge and skills in the classification of diesel engine types, operations, maintenance, and troubleshooting.

WHO SHOULD ATTEND?

This course is suggested for supervisors, technicians or mechanical engineers involved with diesel engines.

COURSE CONTENT:

- Engine Types and Classification
- Cooling System Troubleshooting
- Lubricating System Troubleshooting
- Fuel System Troubleshooting
- Air System Services
- Turbochargers System Service
- Cylinder Head Problem
- Cylinder Block Service

PRACTICAL TASKS:

- Identifying types of air, fuel and oil filters, blowers, turbochargers, fuel injectors and pumps, oil and coolant pumps, radiator and thermostats.
- Inspection of valves, pistons, piston rings, and connecting rods for failure.

Duration: 5 Days

| Date: | Venue: | Cost: |
|-------------|--------|----------|
| Feb 21 – 25 | Dammam | SR 7,000 |
| Jul 19 – 23 | Oman | SR 9,000 |
| Dec 5 – 9 | Dammam | SR 7,000 |

DRIVE COMPONENTS (M4A)

OBJECTIVE:

This seminar provides knowledge and skills in all drive components, inspection, installation and adjustment.

WHO SHOULD ATTEND?

This course is recommended for anyone involved with rotating equipment maintenance.

COURSE CONTENT:

- Couplings
- Belt Drives
- Chain Drives
- Brake and Clutches
- Complete Drive System

PRACTICAL TASKS:

- Identifying types of coupling
- Identifying types of belts, chains and clutches
- Assembly and test a complete drive system on lab bench.

Duration: 5 Days

| Date: | Venue: | Cost: |
|--------------|--------|----------|
| Jan 3-7 | Dammam | SR7,000 |
| Jun 20-24 | Jubail | SR 8,000 |
| Nov 28-Dec 2 | Dammam | SR7,000 |