

# Hydraulic Equipment Operation, Maintenance and Troubleshooting

## Z MEC-11

### Duration :

Three Days 18 Hours

### Who Should Attend :

Mechanical engineers, Technician Mechanical supervisors and undergraduate engineers

### Language :

Arabic, English

### Overview

The objective of this advanced short course is to trainees with a strong background in the field of hydraulic equipment operation and maintenance. The trainee must finish the short courses on hydraulic circuits and pneumatics before taking this course. The emphasis is placed on understanding the operation of hydraulic equipment and how they are maintained. The equipment considered in this course is examples and other equipment of interest to the trainees may be considered.

### Topics

- Introduction: basic components of hydraulic circuits
- Selecting and testing of hydraulic fluids
- Installing hydraulic components
- Planning hydraulic system maintenance
- Methods and techniques of troubleshooting
- Troubleshooting hydraulic circuits
- Troubleshooting valves
- Troubleshooting cylinders
- Troubleshooting pumps
- Troubleshooting cylinders and motors
- Applications
  - Hydraulic press
  - Loaders
  - Excavators

