

Pumps Operation & Troubleshooting

Duration 5 Days

Course objective

- Describe the basic functions of pumps and the major types of pumps.
- Describe the major components of pumps.
- Describe how pumps work.
- Operate pumps.
- Pumps Maintenance & Troubleshooting.

Course Outline:

Introduction to Pumps.

- Introduction to Pumps Categories & Types of each Category.
- The Function of six classes of Pumps.

Basic Components of Pumps.

- Sealing Mechanism.

How Pumps Work.

- Define pump capacity, velocity, pressure, efficiency, and horsepower.
- Describe static suction lift, static suction head, and discharge head.

Operating Pumps.

- The principles of pump operation.
- How to start up and shut down pumps.
- Pump operating conditions.

Pumps Maintenance & Troubleshooting.

- The routine preventive maintenance performed on pumps.

- Centrifugal & Reciprocating Pumps Troubleshooting