

Industrial Hydraulic Fundamentals

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This three-day course provides participants with an excellent understanding of hydraulic theory, hydraulic components, and hydraulic systems.

I. Hydraulic Theory

- · Hydraulic Development
- · Physics of Hydraulics
- · Hydraulic Symbols

II. Hydraulic Components

- · Hydraulic Liquids
- · Piping and Connectors
- ·Sealing Devices
- · Hydraulic Reservoirs
- · Accumulators
- · Hydraulic Pumps
- · Control Valves
- · Cylinders/Actuators

III. Hydraulic Systems

- · Basic Hydraulic System
- · Hydraulic Circuits

IV. Common Causes of Failure

- · Dirt
- ·Heat
- · Misapplication
- · Improper Fluids
- · Maintenance
- · Improper Design or Installation

V. Plant-specific Applications