

H-200

Troubleshooting Industrial Hydraulics/Level Two

***Course
Description***

This course focuses on advanced troubleshooting of industrial hydraulic systems using in-plant schematics. The participant will practice hands on troubleshooting skills on our industrial hydraulic trainers. This course is designed to raise the skill level of the hydraulic mechanic to the hydraulic technician level. The participant will calculate proper sizing of hydraulic pumps, actuators, valves, and piping. Hydraulic servo and proportional valve function, operation, terminology, and setting procedures will be covered; a background in electronics is not necessary. Topics covered will also include; pressure intensifiers, air-over-oil, and pressure compensated pumps. ISO 1219 Industrial hydraulic symbology will be used and reinforced. Course can be customized to meet specific client needs, ie; researching in-plant equipment specs, updating in-plant schematics, hands on testing preparation, basic electronic control of hydraulic systems, or covering plant specific topics or equipment.

Prerequisites

Successful completion of H-100 Troubleshooting Industrial Hydraulic/Level One

Course Length

32 hours

CEU's

3.0

Objectives

Successful completion of the course will enable the participant to:

- Demonstrate and identify good safety procedures when working with industrial hydraulic systems.
- Calculate proper hydraulic component sizing.
- Understand the operation and adjustment of servo and proportional hydraulic valves.
- Understand the operation and setting of pressure compensated pumps.
- Troubleshoot in-plant hydraulic systems with schematic diagrams.

NOTE

Successful completion of this program and review of the International Fluid Power Society (IFPS) study guide should adequately prepare the participant to pass the written portion of the IFPS "Industrial Hydraulic Technician" certification examination. For more information see IFPS.org