

“Fluid Power Systems” Training

Hydraulics & Pneumatics for Industry

Course Outline

For training groups of Maintenance Technicians, Reliability Technicians, and Lead Operators. Hydraulics & Pneumatics for Industry is a 24 – hour training program.

This program can be tailored to deliver specific skill topics to serve employer needs.

Instructional Topics:

- Fluid Power Safety
- Hydraulic Power Units
- Compressed Air Distribution Systems
- Principals of Flow and Pressure
- Cylinders and Air Motors
- Leak Detection and Avoidance
- Preventive Maintenance of Fluid Powered Systems
- Diagnosing and Repairing Fluid Powered Systems
- Interpreting Fluid Power Symbols and Diagrams
- Pressure Control Valves
- Basic Directional Control Valves
- Flow Control Valves
- Pilot Operated Devices
- Hydraulic Accumulators
- Pilot Operated Check Valves
- Filters, Regulators and Lubricators
- Introduction to Electro-fluid Powered Systems

Successful completion of this training requires each participant to prove their ability to interpret fluid power symbols and perform significant hands-on challenges.