



Hydraulic Fluid Power Systems

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COURSE CONTENT

Aim

To familiarise staff with the capabilities and potential application of hydraulic systems in industry.

Pre-requisites

There are no pre-requisites however the course is most suited to craft and technical staff.

Content

- Introduction to hydraulic fluid power engineering
- Pumps, reservoirs and filtration devices
- Hydraulic circuit components
- Circuit design and construction
- Sequential control
- Problem solving
- Fault finding and algorithms

Duration

The course is of five day duration.

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COURSE SYLLABUS

This one week course provides the delegates with a firm understanding of the principles of hydraulic fluid power systems in industry. It serves as a necessary learning platform from which individuals can broaden their knowledge and experience in the field of applied hydraulics.

COURSE UNITS

- Unit One - Principles of hydraulic systems
- Unit Two - Reservoirs and filtration
- Unit Three - Actuators
- Unit Four - Valve designs and operating principles
- Unit Five - Accumulators
- Unit Six - Hydraulic pumping units
- Unit Seven - Circuit construction
- Unit Eight - Fault finding using algorithms
- Unit Nine - Phase test

Dates available on request