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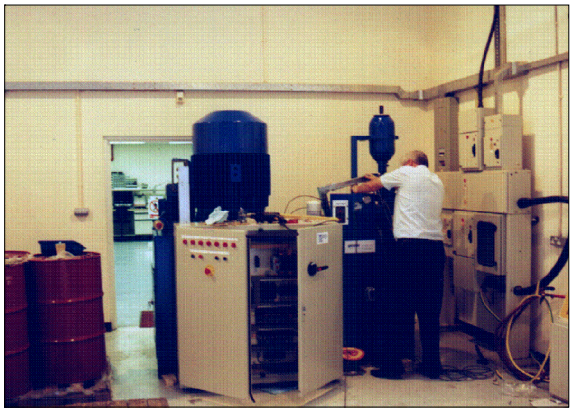
PROVIDING SERVICE SINCE 1982

Fault Finding and Diagnostics - Course Syllabus

Introduction

A two day course ideal for plant managers and engineers involved in the maintenance or design of industrial hydraulic systems.



Aims

- To impart a thorough understanding of basic principles and their application, thereby enabling attendees to safely analyse associated symptoms and logically diagnose faults
- To review typical fault problems and develop a methodology for diagnosis
- To diagnose typical servovalve set up errors and problems

You might benefit from this course if:

- You have not previously received any formal training in fault finding
- You occasionally come across fault issues
- You are working on projects that utilise hydraulic equipment
- You are involved in the maintenance or design of industrial hydraulic systems

Course content

- Logical approach to fault finding
  - Basic fault finding checklist
- Electrical / Electronic faults:
  - Power supplies, transducer excitation, fuses & fans, basic cable checks. The risks of PCB/module exchanging
- Considering classic fault problems
  - i.e. What happens if the front panel lights are not working?
  - i.e. What if the pump unit will not start or pressurise?
  - i.e. The system pressurises but will not control
- Servovalve faults
  - Balance, common servovalve errors and problems
  - Three stage servovalve set-up and valve current
  - What to look for with valve performance
- Control loop optimisation
- Position & load control mode transfer
- Frequency response

During the course delegates are given the opportunity to discuss their own system problems (ensure circuit diagrams are available).

For more information please contact training@systems-services.com or call 01205 724242

"The presenter was simply fantastic"

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