

Hydraulic Systems Maintenance - Course Syllabus

Introduction

Up to 80% of all hydraulic failures can be attributed to contamination. Establishing a proactive approach to maintenance can significantly reduce downtimes. This is a two day course.



Aims

- To impart a basic understanding of maintaining hydraulics
- To increase the knowledge of personnel who are actively engaged in the repair and maintenance of hydraulic systems
- To systematically review the key maintenance activities, such that these can be competently and safely completed in line with establishing a hydraulic system maintenance programme
- To impart the approach of total cleanliness control of hydraulic fluids and good hydraulic housekeeping

You might benefit from this course if:

- You have no previous knowledge or experience of hydraulic maintenance
- You are responsible for hydraulic equipment
- You are working on projects that utilise hydraulic equipment
- You are a maintenance / project engineer
- You are managing a team where hydraulics are utilised but you have limited knowledge of the field

Course content

- Oil issues
 - Changing filters, taking an oil sample, checking oil level & oil temperature
- Routine maintenance
 - Pre-charging accumulators, hose maintenance, pressure gauges, checking seals, setting torque loading for bolts and fittings
 - Pump electrical systems (star -delta)
 - Thermal overloads, fuses etc.
- Problem solving
 - Setting system pressure - relief valves
 - Local pressure reduction - reducing valves
 - Blocked filter indication - what it really means
 - Overcoming cooling problems, curing leaks

During the course delegates are given the opportunity to discuss their own maintenance problems (ensure equipment details are available).

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

“An informative and well presented course”