

Safety in the Test Laboratory - Course Syllabus

Introduction

The uniqueness and variation of the test laboratory can result in the potential of dangerous situations. This course covers key safety aspects to be considered

Aims

- To impart a core understanding of safety in the test laboratory
- To allow participants to become familiar with both dynamic and static safety issues
- To cover hydraulic, pneumatic and related safety issues



You might benefit from this course if:

- You are new to working in the test laboratory
- You are managing a test laboratory where hydraulics and pneumatics are utilised but you have no knowledge of the field
- You have worked with hydraulics or pneumatics for a long time and a refresher on safety would be beneficial

Course content

- Hydraulic and Pneumatic
 - Bolt torques, flow, hoses, leaks - high pressure jets, oil spills.
 - Pressure and pressure ratings, relief and reducing valves - purpose and setting, the power in hydraulics, valve port identification and venting pressure, stored energy - accumulators (pressure systems).
- Safety systems
 - Calibration of safety equipment.
 - Emergency Stop buttons, their location and effect.
 - Isolation procedures, electrical and mechanical.
 - Overriding safety interlocks - when and when not to.
- Personal safety
 - Eye protection, fire risks, guarding - restricting access, health risks - COSHH, keeping hands clear, loss of control, moving parts, noise, personal hygiene, PPE.
 - Safe lifting and working practices.

Systems Services incorporate the following for each delegate in each training module:

- Full training notes including a copy of the course notes and attendance certificate.
- An additional package of useful information relevant to the course completed.

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

“Excellent presentation reinforcing basic safety which is sometimes forgotten”