



Worksheet HS03 & Training Record Hydraulic Risks and Safety Assessment

Safe Working Practices

Email:

Course:

Provider:

Learning Objectives/Expected Outcomes: (45-90mins)

1. Appreciate the importance, requirements and legal responsibilities of working safely.
2. Understand the 5 steps for completing a risk assessment and the specific risk from a range of typical fluid power equipment.
3. Produce a risk assessment for scissor lift or other equipment.
4. Appreciate the potential risk points within a hydraulic system.

Previous Knowledge Required:

Students should have completed worksheet HS01 'Safe operation of hydraulic equipment' and have a basic knowledge of hydraulic components and systems.

Terminology:


Risk assessment, hazards, procedure documents, inspection, validation dates, calibration, pressure vessel.

Record of Achievement:



Click the email button (that will appear within each app) to post your results, once training is complete. Enter your training provider or your own email address. Also record progress, times, scores etc. on this training record sheet and keep together with any additional written work or sample calculations.

Interactive tutorial



Complete the 'Safe working practices' tutorial at www.e4training.com/hydraulic_courses/microtutor1.php?wtsafety (or via the phone app or CD/download) Complete quick quiz at end and post results.

Date, score & time: Tick when posted

Coursework investigations

Make a record of the findings

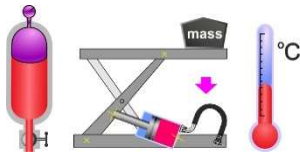
Record documents to provide proof that the assessment was carried out

Learn how to complete your own system risk assessment.

Read content: Complete

Read the detailed information and watch the instructional videos at www.e4training.com/hyd_maint/safety1.php and [safety2.php](http://www.e4training.com/hyd_maint/safety2.php)

- Understand the terms, hierarchy and definitions or risk control.
- Understand the 5 steps to a risk assessment.
- Understand the reporting and communication procedures.



Study the detailed information and instructional videos at www.e4training.com/hyd_maint/fluid_risk1.php and [fluid_risk2.php](http://www.e4training.com/hyd_maint/fluid_risk2.php)

- Learn about some of the potential risks from fluid power equipment.
- Appreciate how to identify the level of risk.
- Consider risks including energy storage, loads, supply isolation, hoses and leaks etc.

Consider all areas where risks may arise from using fluid power equipment.

Read content:

Complete

Practical and coursework assignments

Identify hazards

- Physical
- Mental
- Chemical
- Biological hazards

Identify a piece of hydraulic equipment you work with (or consider the scissor lift design example).

Complete a risk assessment tasks at www.e4training.com/hyd_maint/safety3.php

Complete



Identify the potential risks factors from the hydraulic equipment.

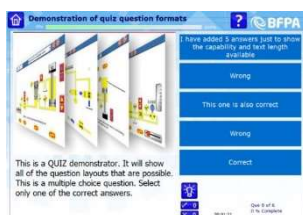
Consider that areas listed and tasks at www.e4training.com/hyd_maint/fluid_risk3.php

Complete

Sample risk assessment

Submit a risk assessment and risk factors for a scissor lift design or other relevant m/c example

Interactive quiz



Complete the 'hydraulic safety awareness' quiz questions at [www.e4training.com/hydraulic_test2.php? Quiz - Hydraulics part 1](http://www.e4training.com/hydraulic_test2.php?Quiz-Hydraulics%20part%201)

Post result when complete.

Quiz name, date, score:

Tick when posted



Key questions / Plenary

Can you describe the logic behind the hierarchy of hazards?
Can you list the 5 steps to a risk assessment?
Do you know where the risk assessment is for the equipment in your company or college?
Can you describe 5 potential risk points with a specific or typical fluid power system?

Record answers:

Tick when complete

And Finally:

Complete this worksheet and keep for your certification records. Submit any written coursework etc. to your training course provider.

Follow-on Course Worksheets:

For potential follow-on worksheets refer to your individual lesson plan or search www.e4training.com/hydraulic_courses/worksheets1.php or courses1.php