



Worksheet HS03 & Training Record		Safe Working
Hydraulic Risks and Safety Assessment		Practices
Email:	Course:	Provider:

# Learning Objectives/Expected Outcomes: (90-150mins)

- 1. Appreciate the importance, requirements, and legal responsibilities of working safely.
- 2. Learn 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 a 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 icon to post your results, once training is complete. Enter an LRS username and endpoint details or see <u>www.e4training.com/xapi/</u> for free examples. Keep a record of any written work or worked calculations etc.

### Interactive tutorial

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Step 1: Assess the risks and take actin 000000000000000000000000000000000000	Cick to Step 1 Cick to Step 2 Cick to Step 3	Complete the 'Safe working practices' tutorial at <u>www.e4training.com/hydraulic_courses/microtutor1.php?wtsafety</u> (or via the phone app)	

### Coursework investigations

Make a record of the findings Record documents to provide proof that the assessment was carried out	<ul> <li>Read the detailed information and watch the instructional vi www.e4training.com/hyd_maint/safety1.php and safety2.pl</li> <li>Understand the terms, hierarchy, and definitions or risk</li> <li>Understand the 5 steps to a risk assessment.</li> <li>Understand the reporting and communication procedure</li> </ul>	deos at hp control. es.			
Consider what information would be required to complete a risk assessment on your systems.					
Estimated time:	30 minutes, skill level 3				
Date complete:		Complete			

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	<ul> <li>Study the detailed information and instructional videos at <a href="http://www.e4training.com/hyd_maint/fluid_risk1.php">www.e4training.com/hyd_maint/fluid_risk1.php</a> and fluid_risk2.php</li> <li>Learn about some of the potential risks from fluid power equipment.</li> <li>Appreciate how to identify the level of risk.</li> <li>Consider risks including energy storage, loads, supply isolation, hoses, and leaks, etc.</li> </ul>
Estimated time:	may arise from using fluid power equipment.
Date complete:	Complete
Identify hazards Physical Mental Chemical Biological hazards	Practical and coursework assignments Identify a piece of hydraulic equipment you work with (or consider the scissor lift design example). Complete the risk assessment tasks at www.e4training.com/hyd_maint/safety3.php
Estimated time:	30 minutes, skill level 3
Hydraulic Power Units	Complete Identify the potential risk factors from the hydraulic equipment. Consider the areas listed and tasks at www.e4training.com/hyd_maint/fluid_risk3.php 20 minutes, skill level 3 Complete
Date complete:	Submit a risk assessment and risk factors for a scissor lift design or other relevant m/c example

### Interactive quiz



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	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 ir Can you describe 5 potential risk points with a specific or typica	n your company or college? al 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 <u>www.e4training.com/hydraulic\_courses/worksheets1.php</u> or courses1.php