

Hydraulic Safety Awareness

At a glance...

Training (Only)

Delivery Method:	Classroom
Recognised by:	Lantra Awards

Introduction

This course has been developed to equip participants with the knowledge and practical skills to identify, inspect, and safely work with hydraulic systems while complying with health and safety regulations.

Overview in brief

This Lantra-accredited Customised Award is exclusively developed and delivered by a Lantra-approved Training Provider, who meets our quality standards. The course is specifically tailored to meet learners' needs. For further details about the course content and delivery locations, please contact the Training Provider using the details provided below.

The minimum age to undertake this course is 16.

Hydraulic systems are widely used across industries, but they carry significant risks including hose failure, fluid injection injuries, burns, and uncontrolled release of stored energy. This course provides participants with the knowledge and skills to recognise these hazards, carry out safe inspections, and follow correct operating procedures.

The finer details

Through theory learning, participants will gain an understanding of hydraulic hose construction, failure modes, and inspection techniques, along with safe handling, storage,



and isolation procedures. The training also covers relevant Northern Ireland legislation (HASAWA, COSHH, PUWER, PESR) to ensure compliance and promote a culture of safety in the workplace.



By the end of the course, learners will be able to confidently identify risks, apply preventative measures, and respond effectively to hydraulic incidents, helping to reduce downtime, prevent injuries, and improve workplace safety standards.

The course sessions include:

- Hose Types & Function
- Hose Construction & Components
- Hose identification & Inspection Techniques
- Hose Failures
- Dangers Of Pinhole Failures
- Locating Pinhole Failures
- Dangers of hydraulic Oil Injections
- What to do if Hydraulic Oil Injection Occurs
- Dangers Of Total Hose Failure
- Dangers of incorrect Hose Assembly
- Safe Operating Procedures
- Correct Routing & Protection Of Hoses
- Correct Storage Of Hoses
- Inspecting hoses for signs of wear/degradation
- Stored energy hazards (pressure within a system) & de-pressurisation
- Suspended loads (elevated loads supported only by hydraulics) and how to safely support them
- Temperature of hydraulic fluid
- Hydraulic fluid ignition risks
- Job preparation – Managing suspended loads, de-pressurising a system, isolating a system (using lock out/tag out kits)

Who should attend?

This course is suitable for anyone who works with or around hydraulic systems, including:

- Employees responsible for fitting hydraulic hoses within their company
- Operators of hydraulic equipment (as required under PUWER to conduct pre-use checks)
- Company fitters and mechanics who carry out inspections, maintenance, or repairs
- Supervisors or managers overseeing staff who work with hydraulic systems
- Health & Safety representatives who need awareness of hydraulic hazards and control measures



What will be covered?

By the end of this course, you will be able to:

- Identify hydraulic hoses, their types, and functions
- Inspect hoses for wear, degradation, and defects
- Recognise causes of hose failure and associated hazards
- Apply safe handling, assembly, routing, and storage practices
- Manage stored energy and suspended loads safely
- Respond appropriately to leaks, pinhole failures, and injection injuries
- Understand relevant NI legislation (HASAWA, COSHH, PUWER, PESR)
- Carry out risk assessments and apply safe systems of work



Other areas of interest

[Shredder Safety Training](#)

[Awareness of Health and Safety in the Waste Industry](#)

[Screener Training](#)

[Workshop Safety Awareness Training](#)



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