



## **Foundation Course in Working Safely with Hydraulic Hose & Connectors (Part 1)**

***On completion of this course candidates will:***

- Attain the knowledge to enable correct and safe selection of hose and connectors.
- Be able to demonstrate the key processes that ensure safe manufacture of hydraulic hoses
- Know the dangers associated with incorrectly specified, assembled and installed hoses
- Understand the effect of contamination within hydraulic systems and know the important disciplines to ensure contamination free hoses

***Course Content:***

- Basic Hose Principles
- Health, Safety & Environment
- Hose & Connector Selection
- Hose Assembly
- Hose & Connectors Failure
- Important Rules
- Be shown two video presentations on hose manufacture and hose safety

### **Basic Hose Principles**

- Pressure
- Flow
- Hose Sizing
- Main System Components
- Contamination
- Hydraulic Fluids Types

### **Health, Safety & Environment**

- Risk Assessment
- Hose Assembly Safety Considerations
- Site Safety
- Good and Bad Practice



## Hose & Connector Selection

- Correct Selection – S.T.A.M.P.E.D
- Hose Standards
- Connector Terms
- Hose Ends Termination Types

## Hose Assembly

- Measuring
- Cutting
- Skiving
- Pre-assembly
- Orientation
- Crimping
- Inspection
- Testing
- Cleaning

## Hose & Connectors Failure

- Hose & Connectors Failure
  - product fault
  - assembly faults
  - Incorrect installation
  - application faults

## Important Rules

- Know the dangers associated with hydraulic hoses.
- Be aware of the risks involved in the assembly and handling of hydraulic hoses.
- Know the importance of correct hose and connector selection.
- Know how to safely assemble a hydraulic hose.
- Know the reasons why hose assemblies fail.

All of which is the perfect base for the Hose Assembly Technology (H.A.T) competence based accreditation

- Individual levels of knowledge and competence

For more information and pricing contact A&I Technology Ltd.:

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