

REDUCING OPERATOR RISK ON SERVOHYDRAULIC SYSTEMS

eLearning Course Outline

The eLearning Reducing Operator Risk on Servohydraulic Systems is an online based course that makes the operator of a Servohydraulic system aware of the potential hazards and risks when using these systems. The course is split into five chapters, demonstrating the safe operation and highlighting hazards. The course can also be used for yearly operator audits on Servohydraulic systems for compliance to safe operation. The course concludes with a self-check quiz, and a certificate of completion will be awarded after successful completion on the course.

Objective

After completing this course, the participant will become aware of the basic hazards and risks when operating Servohydraulic systems.

Course Outline

Chapter 1: Servohydraulic System Overview (*Time: 3 minute 32 seconds*)

- What drives the Servohydraulic Actuator?
- What the system requires?

Chapter 2: Good House Keeping (*Time: 1 minute 55 seconds*)

- The ideal work area environment
- Working alone hazard
- Slip and trip hazards
- How to leave a Servohydraulic system

Chapter 3: Operator Hazards (*Time: 3 minute 15 seconds*)

- Personal Protective Equipment
- Selecting the correct jaw faces for the test
- Inserting and removing Specimens
- Handling specimens

Chapter 4: Test Frame Hazards (*Time: 3 minute 50 seconds*)

- Checking the frame is safe to use
- Correctly rated components
- Gripping the specimen
- Specimen failure

Chapter 5: Hydraulic Oil Exposure (*Time: 1 minute 50 seconds*)

- Hydraulic Oil contact
- Oil Injection Injury

Who Should Attend?

- System Operators
- Lab managers
- Health and Safety Representatives