

LIFTING EQUIPMENT AND TOOLS

PRD036

COURSE DESCRIPTION

This course gives participants an overview of the examination process of in-service lifting equipment as required by Lifting relevant legislation. The course also looks at the documentation required and the various inspection techniques and rejection criteria of lifting equipment including how to produce reports and certification of thorough examination as per the Lifting Operations Lifting and Equipment Regulations.

COURSE GOAL

To enhance the participants' knowledge, skills, and attitudes necessary to understand the Lifting Operations, Lifting and Equipment Regulations and reporting procedures.

COURSE OBJECTIVES

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

- Understand the statutory duties under relevant legislation pertaining to lifting equipment.
- Understand the methods of inspection and testing.
- Understand the relationship between the Proof Load and the Safe Working Load.
- Understand the requirements of Test Certificates / Certificates of Conformity and Registers.
- Understand the requirement for the keeping of records.
- Understand the role of the Competent Person (Lifting Equipment Inspection).
- Understand the thorough examination report requirement.
- Identify defective lifting equipment.
- Understand the rejection criteria of defective lifting equipment.
- Have an understanding of the certification that should be with lifting equipment.
- Plan maintenance of lifting equipment in accordance with relevant legislation.
- Produce reports and certification of thorough examination as per the lifting operations and lifting equipment regulations.

WHO SHOULD ATTEND

- Personnel who are involved with the issue, purchasing and receiving back in of lifting equipment.
- Personnel who are involved in carrying out planned maintenance and inspection of in-use lifting equipment.

COURSE DURATION

5 Working Days

COURSE OUTLINES

1. Statutory Legislative Requirements

- The health & safety at work law powers of the inspectorate standards
- The provision and use of work equipment regulations: An overview
- The lifting operations & lifting equipment regulations: An overview
- Management of health & safety at work regulations: An overview
- HSE guidance notes

2. Lifting Equipment Examination/Inspection (Theory & Practical)

- Fork Lift
- Overhead Crane
- Truck Mounted Crane
- Tri Wheeler
- Chain slings / master links & assemblies
- Wire rope slings
- Eye-bolts
- Swivel hoist rings
- Shackles
- Lifting and pulling machines
- Man-made webbing slings
- Beam clamps
- Manual chain blocks / hoists
- Lever Hoists (Pull-lifts)
- Jacks: defamation, wear
- Rigging screws

3. Systems

- Tagging color
- Coding reporting
- Defective equipment
- Quarantine

4. Methods of Testing

- Overview of proof load testing
- Determining safe working loads
- Factors of safety
- Overview of destructive and non-destructive testing (MPI/NDT)

5. Reporting Procedures

- Defective equipment register
- Manufacturer's criteria
- Company procedures / protocols
- Purpose of quarantine locker

6. Documentation/Certification & Report Writing

- Thorough examination reports and conformity certificates
- How to complete reports of thorough examination
- Manufactures instructions

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