

Dockside Crane Operation

5 Day Novice / 3 Day Refresher / 1 Day Assess & Test

OVERVIEW

To teach operators to safely operate a Dockside Crane

On completion of the course the operators will know:

- Their duties under the Health & Safety at Work Act 1974
- The machine identification, terminology and daily maintenance
- The safety aspects relating to the usage of this type of crane
- The safe methods of slinging course content

COURSE CONTENT

- **Statutory Requirements:**
The Health & Safety at Work Act 1974
Section 2: General duties of Employers
Section 7& 8: General duties of Employees
Powers of the Inspectorate
The Provision & Use of Work Equipment Regulations 1998 (an overview)
The Lifting Operations & Lifting Equipment Regulations 1998 (an overview)
British Standards 7121 Part 1: safe Use of Cranes
- **Safe Systems of Work:**
Communication – Signalling code between Hatchway man and Crane Operator
Basic ship construction – layout of quays and docks
Safe load indicators and warning devices
Types of cranes and their characteristics
Fault reporting procedures
Accident reporting procedures – Personal Equipment – Cargoes
- **Introduction of Slings**
Identification of slings to include:
Wire rope – chain & cordage
Basic sling inspection
Sling angles
Ancillary equipment – shackles – lifting beams
Unsafe practices – snatching – dragging etc.
Centre of Gravity
Estimation of weight
- **Introduction of Slings:**
Identification of crane & terminology
Controls & warning devices
Daily maintenance
Pre-start checks
Starting up procedure
Close down procedure
- **Introduction of Dockside Crane:**
Identification of crane & terminology
Controls & warning devices
Daily maintenance
Pre-start checks
Starting up procedure
Close down procedure
- **Practical crane Operation: No Load turning:**
Safe access to crane cab
Start up procedure
Use of controls: Hoists – lower – slew – luff – brakes
Limit switches
Use of radius indicator
Positioning of crane in relationship to ship and mode of discharge or loading
- **Practical crane operation: Load situation**
Initially using test weights and all functions of the crane
Cargo handling using Hatchway man
- **Practical sessions will comprise of loading, discharging, receiving, forwarding all types of cargo (light, heavy, long lengths).**
- **Closing Down:**
Parking of crane safely
Isolation of crane power supply
Safe egress from crane

WHO WILL BENEFIT

The employees who will need to operate the Dockside Crane

DETAILS

The driver should be medically fit and a minimum age of 18 years old.

PPE REQUIRED

High Vis Jacket/ Vest, Hard Hat and site specific PPE

Maximum No. of Delegates: 2