

Mobile Crane Operation & Slings

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

OVERVIEW

To teach operators to safely operate a Mobile 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 operational disciplines relating to the usage of this type of crane
- The use of audible and electronic warning device
- The safe methods of slinging

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
- **Introduction of Slings:**
 - Types of slings available
 - Correct use of slings
 - Signalling and communication
- **Methods of Slings:**
 - Sling angles
 - Centre Gravity
 - Estimation of Weight
- **Introduction of the Mobile:**
 - Duties and responsibilities
 - Safety procedures to include:
 - Overhead pylons and wires
 - Ground and weather conditions
 - Safe load indicators – radius and load charts
 - Daily maintenance
 - Use of outriggers and stabilisers
- **Mobile Crane Operation (no load situation):**
 - Safety working practices to include: Pre-start checks
 - Start up, travelling, stopping
 - Use of all motions
 - Hoisting, slewing, luffing Telescoping, lowering
 - Hook positioning
- **Mobile Crane Operation (no load situation):**
 - 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 Mobile 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