



Mobile Harbour Crane (container-spreader)

GENERAL DESCRIPTION OF THE TRAINING

From "Zero to Hero" (candidates without experiences with a crane)

The aim of the training is to provide the necessary knowledge and skills to handle and operate a mobile harbour crane to load and unload general cargo or bulk in a safe and productive way.

To achieve these objectives, we provide the following training:

Lifting gear and use of lifting gear:

- ✓ Shackle between hoist and cargo
- ✓ Supervision of actions
- ✓ Maintenance lifting gear
- ✓ Calculating the S.W.L.
- ✓ Use of lifting gear

International signals:

- ✓ Eye contact
- ✓ Warning signals
- ✓ General moves and signals
- ✓ Vertical movements
- ✓ Horizontal movements
- ✓ Danger
- ✓ Radio communication

Safety procedures for a crane driver:

- ✓ Storm warning
- ✓ People Transport
- ✓ Load diagram
- ✓ Visibility
- ✓ Communication with the technical staff
- ✓ Portside and star board
- ✓ Related tasks
- ✓ Basic knowledge of ship structure
- ✓ Technical safety procedures
- ✓ Working methods

Pre-use checks:

- ✓ General daily checks (tour of the crane)
- ✓ Safety path of the crane
- ✓ Engine room
- ✓ Lights, horn, communication systems etc.
- ✓ Testing all movements before starting work

Driving and positioning the crane:

- ✓ Driving
- ✓ Crab steering
- ✓ Easy manoeuvring through bottlenecks
- ✓ Positioning the crane in the best position (hatch) to work
- ✓ Stabilizer pads and beams of the crane
- ✓ Parking the crane (off work, power cable)

Operating of the crane:

- ✓ Rotation of the crane
- ✓ Jib movements
- ✓ Combination of movements simultaneously
- ✓ Beam movements
- ✓ Hook Operations
 - Following of pre-determined route with an empty hook
 - Approaching of cargo on a correct and safe way
 - Hoisting and lowering of cargo
 - Placing of cargo on trailers or heavy duty chassis (Maffi)



- Loading and unloading cargo in and out of a (simulated) hatch
- ✓ Spreader operations:
 - Rotation of the spreader
 - Combining the movements with spreader
 - Beam movements with spreader
 - Operating and rotating the spreader
 - Working with telescopic spreader
 - Operating flippers and flipper arm
 - Approaching containers on a correct and safe way
 - Hoisting and lowering containers
 - Placing containers on trailers or mafis
 - (un)loading containers from deck/in a hatch
 - Handling hatch covers
 - Working with attachments (over-height, -width)
 - Working with twin-spreader
- ✓ Problem solving

Recapitulation and a practical test on the course