

Move and store boats and yachts on land

Overview

This standard identifies the competences you need to move boats and yachts by slinging and lifting, in a marina environment, in accordance with approved procedures. You will be required to use correctly specified items of lifting gear, which will include hand and/or power operated cranes and winches, and associated lifting accessories. You must check that the lifting equipment is within current authorisation dates, is undamaged and within the permitted safe working load (SWL) and working load limit (WLL). You will be expected to establish the weight of the load to be moved, and to attach the appropriate slings to suitable or designated lifting points on the load, in order to achieve a safe and balanced lift. You must check the area that the load will move through, to ensure that it is free from obstructions and is safe for the load to be moved. You will also be expected to be able to give the correct hand and verbal signals during the lifting activities.

Your responsibilities will require you to comply with organisational policy and procedures for the slinging, signalling and lifting activities undertaken, and to report any problems with the slinging and lifting equipment or activities that you cannot personally resolve, or are outside your permitted authority, to the relevant people. You will be expected to work to instructions, either alone or in conjunction with others, taking personal responsibility for your own actions, and for the safety and integrity of the materials or items being moved.

Your underpinning knowledge will be sufficient to provide a sound basis for your work, and will provide an informed approach to applying slinging, signalling and lifting procedures within a marine environment. You will have an understanding of the slinging, signalling and lifting techniques used, and their application, and will know about the lifting equipment and accessories for lifting, in adequate depth to provide a sound basis for carrying out the activities safely and correctly.

You will understand the safety precautions required when slinging and lifting components, and the safeguards that are necessary for undertaking the activities. You will be required to demonstrate safe working practices throughout, and will understand the responsibilities you owe to yourself and others in the workplace.

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Performance criteria

You must be able to:

1. work safely at all times, complying with health and safety and other relevant regulations and guidelines
2. position the moving equipment so that the weight of the load is evenly distributed
3. confirm that the load is secure before moving
4. move the load over the selected, suitable route
5. position and release the load safely in its intended final location for storage

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Knowledge and understanding

You need to know and understand:

1. the specific safety precautions to be taken when slinging and lifting boats and yachts, and the need for ensuring load security (general workshop and site safety, appropriate personal protective equipment, protecting other workers during the lifting operations; accident procedure; statutory regulations, risk assessment procedures and COSHH regulations)
2. the hazards associated with slinging and lifting of boats and yachts, and how they can be minimised
3. an understanding of the Approved Code of Practice (ACOP) for safe use of lifting equipment and Lifting Operation and Lifting Equipment Regulations (LOLER), Provision and Use of Work Equipment Regulations (PUWER)
4. the specific requirements for the marking of lifting equipment and the specific method used in the organisation in which you are working
5. the range of equipment to be used for the lifting operations (such as hand and power operated cranes, winches, pulling equipment)
6. the lifting equipment accessories to be used (such as slings, chains, wire ropes, eye bolts)
7. checks that should be made on the lifting equipment prior to use, and problems that you should look for
8. how to carry out visual in-service inspections of the equipment, and what to do should any defective equipment be identified
9. factors which affect the selection of the lifting equipment and lifting accessories (such as weight, type of load, operating environment)
10. how to check that the lifting equipment is capable of lifting the load to be moved
11. how to plan and prepare a route for moving loads, and the items that you will need to take into account
12. what the different types of boat and yacht cradle are and how they can be safely used
13. the specific requirements for the organisation of lifting operations
14. signalling techniques used to communicate with crane drivers (to include hand signals, radio and verbal commands) as established within the marina operation
15. how lifting equipment should be stored and handled
16. the extent of your own responsibility, and whom you should report to if you have problems that you cannot resolve

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Scope/range related to performance criteria

1. Ensure that the equipment to be used is suitable for the materials, machinery or components being lifted, and is in a safe and usable condition, by establishing all of the following:
 1. the equipment is certified and is compliant, within current test dates (such as LOLER regulations and health and safety requirements)
 2. all slings are free from obvious defects
 3. the lifting equipment selected is suitable and has a sufficient SWL or WLL for the application
 4. the identification number, SWL or WLL are clearly marked on the equipment selected
 5. the equipment is correctly colour coded and/or tagged (where applicable)
2. Before slinging, lifting or moving the boat or yacht, ensure that all of the following, have been established/checked:
 1. weight of the load
 2. agreed code of verbal/hand signals
 3. route of the load is clear
 4. those affected have been informed
 5. arrangements are made for securing/storing in the landing place
 6. landing/storage area is clear
 7. boat cradles, tripods, boat chairs, keel blocks, and shores are ready for use
3. Use two of the following lifting and moving methods and techniques:
 1. crane
 2. mobile boat hoist
 3. boat mover
 4. trailer
 5. lifting appliances
 6. winch
 7. pulling appliances
 8. powered lifting equipment
 9. low loaders
 10. hand operated lifting equipment
 11. jacks, skates and trolleys
4. Use two of the following slinging methods:

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1. single leg flat webbing slings
 2. multi legged flat webbing slings
 3. spreaders
 4. lifting beams
5. Move one of the following types of vessel:
 1. boats (motor)
 2. yachts (with masts fitted)
 3. yachts without masts
6. Move two of the following types of load:
 1. masts
 2. engines or other machinery
 3. sub-assemblies
 4. liquid containers
 5. keels
 6. cradles
 7. boat chairs
7. Move loads and vessels safely and correctly, and re-position in two of the following conditions:
 1. to differing elevations
 2. as part of an assembly
 3. in the same elevation
 4. rotate a load
 5. into a boat cradle
 6. into a dray stack storage system
 7. onto a low loader
 8. into boat chairs

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Behaviours

You will be able to apply the appropriate behaviours required in the workplace to meet the job profile and overall company objectives, such as:

- strong work ethic
- positive attitude
- team player
- dependability
- responsibility
- honesty
- integrity
- motivation
- commitment

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