



Safe Use of Marine Capstan Winch (Skills Card)

At a glance...

Assessed Customised Provision

Duration Notes:

Delivery Method: Classroom and practical

Prerequisites:

Introduction

This course is mainly aimed at the aquaculture industry where capstan operation is used daily. This course is designed for anyone who uses a capstan winch on a sea going vessel, barge, fixed or floating.

Overview in brief

This course will cover the regulations of the capstan winch as well as the associated equipment.

Capstan winch operation has the potential to very quickly become hazardous & dangerous if the operator & others in its vicinity do not understand the dangers of being involved in the operation or its operating vicinity.

This course will allow the operator to understand & apply sound knowledge of the task & will greatly improve the safe & successful operation for the operators & other employees involved in the operation.

The finer details

- Know a range of tasks for which Capstan/Winch is capable
- Understand legislation & safety requirements necessary for the use of capstans
- Understand the purpose of the machine components, their functions & controls
- Explain the SWL, MBL & other ancillary equipment used
- Demonstrate correct planning by producing a lift plan for winching operations including ability to recognise conditions that limit the procedure and use of assistants
- The main causes of accidents, the significant dangers of equipment/ancillary equipment failure
- Minimum Personal Protective equipment & the hierarchy of risk control





- Examples of injuries already occurred in the industry locally & the consequences
- Carry out routine operator maintenance procedures for the equipment to prescribed standards
- Demonstrate effective operation of the Capstan
- Set up Capstan in safe mode
- Vessel position in relation to capstan, on off controls & snapback zones
- Select correct personnel and knowledge of and the dangers of snapback zones
- Operate capstan within safe working parameters & to a consistent standard
- Correct use of signals for capstan winch
- Inspection of equipment after use

Who should attend?

Anyone involved in capstan operations whether you are the operator or a member of the team involved in the task which requires the use of a capstan winch.

What will be covered?

- Health and safety PUWER and LOLER.
- Manual Handling
- Components used in lifting operations.
- Attachments and accessories.
- Safe working load, Safety Factors, Lateral forces
- Minimum breaking load Safety Factors? Lateral Force
- Risk management.
- The operating area
- The lifting plan.
- Signalling
- Pre-use checks.
- Operating in the work area.
- High Pressure Hydraulic
- Electricity
- Permit to work.
- Lifting accessories.

Other areas of interest

- Sea Crane Training
- Slinger Signaller Training

[Small Pier Cranes up to 1200KG SWL](#)





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