

Offshore Pedestal Crane Operator

JTN Course Code – MHO004

AIM & OBJECTIVES

The aim of this module is to establish that the delegate has the required underpinning knowledge, understanding and practical skills to fulfil the role of an Offshore Pedestal Crane Operator safely and effectively.

The objectives of this module is to highlight that the dangers of crane operations in the offshore environment cannot be overemphasized. Delegates that attend this course will leave with a more thorough understanding of the critical elements of lifting and moving loads and personnel safely in an offshore environment.

This module incorporates Global Best Practices.

COURSE CONTENT

- Types of cranes used offshore (ie) mechanical & non-mechanical.
- Crane components and lifting capacities.
 - Standard components on each type of crane
 - Basic crane terminology and the definitions
 - Boom angle & load radius.& how load weight directly affects lifting capacities
- How basic lifting principles are affected by different variables.
 - Lever principles
 - Lifting principles
 - Types of lift
 - Static / Onboard
 - Shock loading
 - Dynamic / Offboard loading

COURSE CONTENT

(continuation)

- Reading Load Rating charts
- JHA's & Lift Plans
- Number of parts of line & relationship to rated load
- Lifting capacity of main and auxiliary hook.
- Lifting capacity of load and boom hoist drums (speed v line pull)
- Wire rope construction & use
- Mounting features of the revolving superstructure
- Boom structure
- Limit devices
- Sheaves
- Hand signals
- Control identification
- Engine emergency shutdown

ASSESSMENT

On completion of the module the delegates will be subject to:

- A 30 question underpinning knowledge assessment. A pass mark of 80% is required.
- Practical assessments which consist of 3 main activities, namely:
 - a. Carry out a pre-use inspection of the crane
 - b. Perform internationally recognised hand signals
 - c. Carry out 3 lifts
 - Onboard (Static)
 - Offboard (Dynamic)
 - Blind

The emphasis of the assessment is on practical skills and competence. Delegates will be required to work with prepared lifting plans, identifying the risks and the control measures required.

CERTIFICATION

Delegates successfully meeting the Offshore Pedestal Crane Operator assessment requirements will be issued with a JTN Offshore Pedestal Crane Operator certificate for the crane(s) on which they have been trained and assessed. Certificate is valid for four years.

The successful delegate shall also be qualified to perform crane inspections, with the exception of the initial, quarterly and annual inspection.

Where a delegate DOES NOT MEET the required assessment outcomes, no certificate will be awarded and the delegate must retake the Offshore Pedestal Crane Operator assessment.

WHO SHOULD ATTEND

Personnel who are responsible for the safe operations of offshore pedestal cranes.

PREREQUISITES

- Delegates must be qualified as a Rigger/Slinger/Banksman or Level 3 Rigger.
- Delegates must meet the following physical qualifications:
 - Have vision of at least 20/30 Snellen in one eye and 20/50 in the other with or without correction, and have depth perception as demonstrated by record of a recognized test administered by an authorized medical person.
 - Be able to distinguish red, green and yellow regardless of position of colours.
 - Have hearing, with or without hearing aid, adequate for the specific operation.
- Delegates must select which of the following two crane types and/or sub-types they require qualification for:
 1. Operation of Mechanical (Friction Type)
 2. Operation of Non - Mechanical
 - Hydraulic
 - Electric
- For this course all delegates are required to provide their own protective clothing (ie) hardhat, safety boots, safety glasses & coveralls etc.

LOCATION

Training / Assessment will be conducted at delegate's normal offshore place of work or an alternative suitable training / assessment location.

DURATION

5 days (40% Theory, 60% Practical)

PARTICIPANTS

Minimum of 4, Maximum of 8

If this overview does not provide the information you require, please get in touch with us at contact@jtntechnicalservices.com

It is important to be as specific as possible about the information you would like, as this will help us to respond accurately and promptly. Where possible, please include a contact telephone number/ Skype screenname so we can contact you to discuss your request when necessary.

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