

COURSE OVERVIEW

API-U QUALIFIED OFFSHORE CRANE INSPECTOR – API SPEC 2C & RP 2D

The course covers the requirements for the design, testing, inspection and examination of offshore pedestal cranes and their associated components and accessories as per API Spec 2C 7th Edition 2012 and API Recommended Practice 2D 7th Edition 2014.

This course should be undertaken by persons involved in the QA/QC process for pedestal crane installation (temporary or permanent), Government agencies who inspect offshore cranes and overhead cranes, third party inspection (TPI) companies and any companies who wish for competent inspection staff.



PERFORMANCE CRITERIA

- Understand the requirements of the applicable standards
- Be able to ascertain if the offshore pedestal crane meets the requirements set out in the standards and those of the original equipment manufacturer
- Demonstrate testing, inspection and examination of offshore pedestal cranes in accordance with API RP 2D and other relevant standards
- Prepare reports in accordance with API RP 2D, LOLER 1998 and client requirements.

INFORMATION

TARGET AUDIENCE

Current Medical (example- OGUK) to carry out Inspections. Basic knowledge of cranes, lifting equipment and relevant industry experience

DURATION

3-4 DAYS

COST

POA

NUMBER OF PARTICIPANTS

Maximum 10



COURSE CONTENT:

- Introduction into the use, frequency and Inspection of Cranes, Lifting and Hoisting Equipment
- Responsibilities of a Crane Inspector
- Pre-operational monthly, quarterly and annual inspection criteria for Offshore API Spec Pedestal Cranes
- Understand legislation and regulations for ensuring compliance
- API 2C "Specification for Offshore Pedestal Mounted Cranes" Seventh Edition, October 2012
- API RP 2D "Operation and Maintenance of Offshore Cranes" Seventh Edition, December 2014
- Safe working practices and identification of crane parts
- King Post cranes and Overhead cranes inspection criteria on an offshore installation
- Equipment and tools needed by the crane inspector
- Examination criteria for various offshore cranes
- Read load charts in preparation for a 4 yearly proof test in accordance with AP 2C & D
- Understand the load radius of cranes, and their safe capabilities
- Examination of the function of the load indicator and safety devices on cranes
- Understand and identify different wire types and constructions
- Examination of wire rope for serviceability and replacement
- Inspection and examination criteria of Prime movers including electrical and diesel (including power pack)
- Engine house and associated equipment, Operator's cabin and its fittings
- Winches, crane functions & Inspecting
- Examination of Boom, Main and aux hoists and associated equipment, Gantry, A-frame and fittings
- Inspection of Main and Fly (Aux) block, sheaves, winch drums, wire ropes and pendants for serviceability and faults
- Slew ring and its function including inspecting of slew area, slew ring deflection test and examination of slew gear teeth
- Pedestal flanges & pedestal weld inspection, examination of bearings and electrical connectors
- Frequency of inspection Load testing.



CERTIFICATION

A Statement of Attainment will be issued upon successful completion by the RTO in accordance with our RTO Third Party Provider arrangement.

