

COGODR8 - SQA Unit Code D7XA 04

Supply the drill floor using automated racking equipment



Overview

This unit is about the supply of drilling equipment to the drill floor using automated racking equipment. It deals with the preparation and supply of tubulars and the running of the equipment. This unit deals with the following:

- 1 Prepare Tubulars For Transfer Using Automated Racking Equipment
- 2 Maintain The Supply Of Tubulars To Automated Racking Equipment
- 3 Monitor And Maintain The Running Of Automated Racking Equipment

Performance criteria

- You must be able to:*
- P1 made sure that tubulars are clean and that there are no internal obstructions
 - P2 checked for and reported any damage to the threads
 - P3 accurately and clearly recorded the length of each tubular
 - P4 removed and safely discarded any protection materials
 - P5 rejected and marked any tubulars that do not meet the specification for the work to be done
 - P6 checked that the equipment is fit for use before operating it
 - P7 safely started the equipment
 - P8 set the operating speed to an appropriate setting to achieve an efficient work rate
 - P9 identified circumstances that might affect the smooth running of the operation and acted promptly to deal with them
 - P10 safely stopped the equipment
 - P11 carried out emergency stops promptly and safely where required
 - P12 carried out basic equipment maintenance in line with specified procedures and schedules
 - P13 selected the correct tubulars for the operation in progress
 - P14 loaded the tubulars securely and in the correct orientation into the equipment
 - P15 supplied the tubulars at an efficient working rate
 - P16 used safe lifting and manual handling techniques
 - P17 worked safely in accordance with operational requirements and associated **Safe Systems of Work**

Knowledge and understanding

You need to know and understand:

- K1 the safety and environmental protection measures that need to be taken into account in manoeuvring and checking tubulars
- K2 where to find details on the specification, use and care of tubulars (e.g. in procedures, manuals, work instructions, codes of practice)
- K3 why it is important to make sure that tubulars are the correct size for the job and that they are clean and free of obstruction
- K4 why tubulars are marked
- K5 the basic principles of automated racking equipment operation
- K6 which settings are safe and efficient for supply to different drilling operations
- K7 what sort of circumstances might affect operations and how to deal with them
- K8 what health, safety and environmental protection measures apply to equipment operation
- K9 what the basic maintenance requirements are of automated racking equipment
- K10 how to read a work instruction and select the correct tubulars
- K11 why it is important to maintain an efficient work rate
- K12 why it is important for health and safety to use safe lifting and manual handling techniques and what they involve

Additional Information

Scope/range

During this work you must take account of the relevant worksite operational requirements, procedures and safe working practices AS THEY APPLY TO YOU.

- 1 How to use 'Safe Systems of Work' processes to identify hazards and mitigate or reduce risks to as low as reasonably practicable (ALARP)
- 2 How to select, use and care for PPE (to include sight/hearing protection, coveralls, coveralls, gloves, footwear, hard hats, respirators)
- 3 The implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- 4 How to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards, schedules)

The following terms in **bold** relate directly to those shown in **bold** in the Performance Statements.

- 1 **Safe Systems of Work** must include processes or systems that incorporate Hazard Identification, Risk Assessment, Permit to Work and any other associated systems.

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