

Domain	RIGGING	Unit ID: 957
Title:	Replace a winder rope sheave wheel	
Level: 4		Credits: 5

Purpose

This unit standard specifies the competencies required to replace a winder rope sheave wheel. It includes explaining the factors critical to replace a winder rope sheave wheel, preparing to replace a winder rope sheave wheel and replacing a winder rope sheave wheel. This unit standard is intended for those who work as general lifting machine operators.

Special Notes

1. Entry information:
Prerequisite:
 - *937 - Apply safety rules and regulations in lifting machine operations or demonstrated equivalent knowledge and skills.*
2. Assessment evidence may be collected from a real workplace, or an appropriate simulated realistic environment in which lifting machine operations are carried out.
3. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' specifications, guidelines and instructions.
4. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act, No. 11, 2007
 - Regulations relating to the Health and Safety of employees at work, 1997 and all subsequent amendment.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Explain the factors critical to replacing a winder rope sheave wheel

Range

Direct consequences may include but are not limited to injury to persons, damage to equipment, loss of production time through breakdowns and increased costs.

Performance Criteria

- 1.1 The purpose of replacing a winder rope sheave wheel is explained in line with accepted best practice.
- 1.2 The importance of replacing a winder rope sheave wheel to achieve healthy, safe production requirements is explained in line with specified requirements.
- 1.3 The possible critical workplace hazards that may be encountered while replacing a winder rope sheave wheel in a particular context is explained. The explanation also describes the risks associated with and the factors contributing to each workplace hazard.

Element 2: Prepare to replace a winder rope sheave wheel

Range

Specified requirements and current legislation may include but are not limited to those for permission, personal protective equipment, tools, material and equipment, workplace examination, workplace hazards, logbook entries and locking out and making safe.

Performance Criteria

- 2.1 Permission is obtained in line with accepted best practice.
- 2.2 Entries into the relevant logbooks are made according to legal requirements.
- 2.3 The required personal protective equipment is selected, examined and used in a way that is consistent with its purpose, design and specified requirements. Personal protective equipment is used to ensure the safety of persons and equipment.
- 2.4 Tools, material and equipment are selected, examined and transported in line with accepted best practice.
- 2.5 The workplace is examined in line with specified requirements. Workplace hazards are dealt with in line with specified requirements.
- 2.6 The winder is verified to be locked out and made safe in line with specified requirements and current accepted best practice.

- 2.7 The consequences for health, safety and production of not preparing to replace a winder rope in line with specified requirements and current legislation, are explained.

Element 3: Replace a winder rope sheave wheel

Range

Specified requirements and current legislation may include but are not limited to those for personal protective equipment, work related hazards and associated risks, replacing the winder rope, interpersonal interaction and use of tools and equipment.

Performance Criteria

- 3.1 The required personal protective equipment is used in a way that is consistent with its purpose, design and specified requirements. Personal protective equipment is used to ensure the safety of persons and equipment.
- 3.2 Work related hazards are dealt with in line with specified requirements.
- 3.3 The winder rope sheave wheel to be replaced is removed in line with sequence and current best practice.
- 3.4 The replacement winder rope sheave wheel is installed in line with sequence and current best practice.
- 3.5 Interpersonal interaction is positive, consistent with specified requirements, promotes effective teamwork, and avoids dysfunctional conflict.
- 3.6 The tools and equipment are used in line with manufacturers' design and without injury to self and others.
- 3.7 The consequences for health, safety and production of not examining winder rope attachments in line with specified requirements, and current legislation are explained.

Element 4: Test the winder and prepare for operation and production

Range

Specified requirements and current legislation may include but are not limited to those for testing preparation, testing, tools, material and equipment, good housekeeping and reporting.

Performance Criteria

- 4.1 The winder is prepared for testing purposes in line with specified requirements.
- 4.2 The winder is test-run to determine if the replaced sheave wheel is functioning in line with specified requirements.
- 4.3 Tools, material and equipment selected are dealt with in line with specified requirements.

- 4.3 The workplace is cleaned and free from hazards in line with specified housekeeping and best practices.
- 4.4 The report on work performed complies with specified requirements for format, content, accuracy and distribution. The report is delivered within the agreed time.
- 4.5 The consequences for health, safety and production of not preparing the winder for operation and/or production in line with specified requirements, and current legislation are explained.

Registration Data

Subfield:	Lifting, Shifting and Secure Loads
Date first registered:	27 September 2012
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