

Domain	RIGGING	Unit ID: 991
Title:	Apply lubrication to a steel wire rope	
Level: 2		Credits: 2

Purpose

This unit standard specifies the competencies required to apply lubrication to a steel wire rope. It includes explaining the factors critical to lubricating steel wire ropes, preparing to lubricate a steel wire rope, lubricating a steel wire rope, and completing the lubrication process and prepare for operation and/or production. 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. This unit standard includes the following lubrication methods compressed air, bath, manual and funnel.
3. Assessment evidence may be collected from a real workplace, or an appropriate simulated realistic environment in which lifting machine operations are carried out.
4. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' specifications, guidelines and instructions.
5. 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 lubricating steel wire ropes

Range

Explanation may include but is 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 lubricating steel wire ropes is explained in line with specified requirements.
- 1.2 The importance of lubricating steel wire ropes 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 lubricating steel wire ropes in a particular context is explained. The explanation also describes the risks associated with and the factors contributing to each workplace hazard.
- 1.4 The explanation listing the possible critical work related hazards that may be encountered while lubricating steel wire ropes in a particular context is given.

Element 2: Prepare to lubricate a steel wire rope

Range

Consequences may include but are not limited to permission, logbook entries, personal protective equipment, tools, material and equipment, workplace examination, workplace hazards, identifying the steel wire rope and making safe.

Performance Criteria

- 2.1 Permission is obtained in line with specified requirements.
- 2.2 Where applicable, entries are made in the relevant logbooks in line with specified 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 specified requirements.
- 2.5 The workplace is examined in line with specified requirements. Workplace hazards are dealt with in line with specified requirements.
- 2.6 The steel wire rope, to be lubricated is identified in line with specified requirements.

Element 3: Lubricate a steel wire rope

Range

Consequences may include but are not limited to personal protective equipment, workplace hazards, lubrication, 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 Workplace hazards are dealt with in line with specified requirements.
- 3.3 The lubrication of a steel wire rope is performed in line with sequence and manufacturers specification.
- 3.4 Interpersonal interaction is positive, consistent with specified requirements, promotes effective teamwork.
- 3.5 The tools and equipment are used in line with manufacturers' design and without injury to self and others.
- 3.6 The consequences for health, safety and production of not lubricating a steel wire rope in line with specified requirements, and current legislation are explained.

Element 4: Complete the lubrication process and prepare for operation and production

Range

Consequences may include but are not limited to tools, material and equipment, housekeeping, logbook clearance and reporting.

Performance Criteria

- 4.1 Tools, material and equipment selected are dealt with in line with specified requirements.

- 4.2 The workplace is cleaned and free from hazards in line with specified requirements and housekeeping practices.
- 4.3 Where applicable, the relevant logbooks are cleared in line with specified requirements.
- 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 testing the steel wire rope for operation, 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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Anticipated review:	2015
Body responsible for review:	Namibia Training Authority