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**SOUTH AFRICAN QUALIFICATIONS AUTHORITY
REGISTERED UNIT STANDARD:**

Operate counter-balanced lift truck

SAQA US ID	UNIT STANDARD TITLE			
242974	Operate counter-balanced lift truck			
ORIGINATOR				
SGB Transport and Logistics Operations				
QUALITY ASSURING BODY				
-				
FIELD			SUBFIELD	
Field 11 - Services			Transport, Operations and Logistics	
ABET BAND	UNIT STANDARD TYPE	PRE-2009 NQF LEVEL	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	NQF Level 03	7
REGISTRATION STATUS		REGISTRATION START DATE	REGISTRATION END DATE	SAQA DECISION NUMBER
Reregistered		2015-07-01	2018-06-30	SAQA 10105/14
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2019-06-30		2022-06-30		

In all of the tables in this document, both the pre-2009 NQF Level and the NQF Level is shown. In the text (purpose statements, qualification rules, etc), any references to NQF Levels are to the pre-2009 levels unless specifically stated otherwise.

This unit standard does not replace any other unit standard and is not replaced by any other unit standard.

PURPOSE OF THE UNIT STANDARD

The person credited with this Unit Standard is able to operate a counter-balanced lift truck in a safe manner. They will also be able to conduct pre and post inspections to ensure the performance of the lift truck. The person will be able to handle the loading and storage of freight by using the equipment and its accessories in the required manner. They will also be able to access emergency system and services in the event of an incident or accident.

The qualifying learner is capable of:

- Applying the recognised methods for inspecting and recording the operational fitness of all components of the lift truck with reference to safety procedures in the workplace.
- Identifying and classifying freight/loads taking into account documentation, packaging and labelling associated

with the specific freight.

- Handling, loading and storing freight in accordance with industry standards environmental requirements, and with due consideration to inter alia the commodities and their properties, storage area and placement of load.
- Achieving maximum work performance of lifting equipment and attachments, by applying knowledge of equipment dimensions, controls, principles of operation and capacities, manufacturing specifications and circumstances in the working environment.
- Operating equipment in accordance with laid down organisational and legislative standards and procedures as well as manufacturer's guidelines.
- Accessing available emergency support system and services in case of incidents and accidents.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is assumed that learners accessing this unit standard will have demonstrated competence in:

- Communication at NQF Level 2 or equivalent.
- Mathematical Literacy at NQF Level 2 or its equivalent.

UNIT STANDARD RANGE

The applied competence expressed in this standard may be demonstrated across a range of lift trucks (capacity, functionality) involved in familiar operational functions in any industry context, and in any environmental conditions.

Lift Truck shall include:

- F1: Counterbalanced lift truck up to rated capacity of 3000kg.
- F2: Counterbalanced lift truck up to rated capacity of 7000kg.
- F3: Counterbalanced lift truck up to rated capacity of 15000kg.
- F4: Counterbalanced lift truck above a rated capacity of 15000kg.

The Codes and Attachments correspond with the National Code of Practice.

Attachments and special equipment shall include:

- A: Side Shift.
- B: Single pole.
- C: Carton or paper roll clamp.
- D: Crane Hook.
- E: Push Pull/Slip sheet equipment.
- F: Load Rotator.
- H: Load Extender Pantograph.
- J: Tilting Bucket.
- K: Tandem Forks.
- L: Container Vanning and Devanning.
- M: Container Handling.
- N: Forks.
- O: Cradle (Safety Cage).

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1

Apply the recognised methods for inspecting and recording the operational fitness of all components of the lift truck with reference to safety procedure in the workplace.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Methods for inspecting the operational fitness of all components on the lift truck are described with examples.

ASSESSMENT CRITERION 2

Pre and post inspections are conducted using the operations check-sheet.

ASSESSMENT CRITERION 3

Basic faults and defects on the mechanical function of the lift truck are identified and recorded in the required format.

SPECIFIC OUTCOME 2

Identify and classify freight/loads taking into account documentation, packaging and labelling associated with the specific freight.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Freight/load types are identified and explained with examples.

ASSESSMENT CRITERION 2

Freight/load documentation, packing and labelling requirements are described with examples.

ASSESSMENT CRITERION 3

Common freight codes, from a handling perspective, are identified and explained with examples.

ASSESSMENT CRITERION 4

Freight/loads are classified in accordance with organisational classification standards and procedures.

SPECIFIC OUTCOME 3

Handle, load and store freight in accordance with industry standards, environmental requirements, and with due consideration to inter alia the commodities and their properties, storage area and placement of load.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

The reasons for selecting specific handling methods and attachments for particular commodities/freight are explained with examples.

ASSESSMENT CRITERION 2

The reasons for selecting a particular piece of lifting equipment for a particular type of freight are explained with examples.

ASSESSMENT CRITERION 3

The specific selection of storage facilities for different freight types is explained with examples.

ASSESSMENT CRITERION RANGE

Different freight types includes but not limited to dangerous goods, perishables, foodstuffs, break-bulk, liquids.

ASSESSMENT CRITERION 4

Freight/load is handled, loaded and stored in accordance with organisational standards and procedures.

SPECIFIC OUTCOME 4

Achieve maximum work performance of lifting equipment and attachments, by applying knowledge of equipment dimensions, controls, principles of operation and capacities, manufacturing specifications and circumstances in the working environment.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

The operating functions of the particular lift truck relevant for the job environment and environmental conditions and freight types are identified and explained with examples.

ASSESSMENT CRITERION 2

Lifting equipment is evaluated and repair or replacement of parts is reported in required format and arranged in the required time frame.

ASSESSMENT CRITERION 3

The importance of applying a basic mechanical appreciation of the lifting equipment, operating of the lifting equipment and its attachments is explained with examples of the consequences of not doing so.

SPECIFIC OUTCOME 5

Operate equipment in accordance with laid down organisational and legislative standards and procedures as well as manufacturer's guidelines.

OUTCOME RANGE

Operating includes the actual lifting, stacking manoeuvring, shutting down and parking of the lift truck.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

The operating functions of the lift truck relevant for the work environment, and different environmental conditions and freight types are explained with examples.

ASSESSMENT CRITERION 2

The effect of the environment and equipment constraints on safe operating procedures and practices are

explained with examples.

ASSESSMENT CRITERION 3

Operating equipment is used in accordance with operation instructions, loading guidelines and legislative standards and procedures.

ASSESSMENT CRITERION 4

Corrective actions required to prevent dangerous situations arising are explained with examples.

ASSESSMENT CRITERION RANGE

Dangerous situations could include but are not limited to: weather, lighting conditions, visibility, overloading.

SPECIFIC OUTCOME 6

Access available emergency support systems and services in case of incidents and accidents.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Support systems and emergency services are sourced in cases of incidents and accidents according to organisational procedures.

ASSESSMENT CRITERION 2

The most appropriate course of action is explained in relation to safe working practices and procedures.

ASSESSMENT CRITERION 3

The most appropriate course of action to avoid a potential hazard is explained in relation to safe working practices in the working environment.

UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS

- An individual wishing to be assessed (including through RPL) against this unit standard may apply to an assessment agency, assessor or provider institution accredited by the relevant ETQA.
- Anyone assessing a learner against this unit standard must be registered as an assessor with the relevant ETQA.
- Any institution offering learning that will enable achievement of this unit standard or assessing this unit standard must be accredited as a provider with the relevant ETQA.
- Moderation of assessment will be conducted by the relevant ETQA at its discretion.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE

The following embedded knowledge is addressed in an integrated way in the unit standard:

- Occupational Health and Safety Act; Driven Machinery regulations; environment; operating method; packaging, labelling, and personal protective equipment.
- National Road Traffic Act where public roads are used.
- The relevant attachments applicable to handling various categories of freight.
- Basic mechanical appreciation.
- Equipment dimensions/capacity and controls in relation to safety and maximum work performance.
- Product handling and storage principles and specifications.
- Available support systems and emergency care services.
- The different makes (manufacturers) and codes of lift trucks in the market.

UNIT STANDARD DEVELOPMENTAL OUTCOME

N/A

UNIT STANDARD LINKAGES

N/A

Critical Cross-field Outcomes (CCFO):

UNIT STANDARD CCFO IDENTIFYING

Identify and solve problems in the case of damaged packaging/labelling.

UNIT STANDARD CCFO WORKING

Work efficiently with others and in teams by demonstrating initiative in selecting the most appropriate means of communication with work colleagues to facilitate efficient and safe freight handling.

UNIT STANDARD CCFO ORGANISING

Manage and organise oneself by continually evaluating whether maximum work performance of lifting equipment was achieved given the operating conditions, and based on this, gain improved work performance consistently.

UNIT STANDARD CCFO DEMONSTRATING

- Demonstrate initiative in selecting the most appropriate gear and equipment dependent on lift truck codes, freight characteristics and environmental conditions.
- Demonstrate an understanding of the world as a set of related systems by understanding the impact of safe working practices on people safety, the environment and cost effective business operations.

UNIT STANDARD ASSESSOR CRITERIA

N/A

REREGISTRATION HISTORY

As per the SAQA Board decision/s at that time, this unit standard was Reregistered in 2012; 2015.

UNIT STANDARD NOTES

Definitions:

- "Lift truck" shall mean any counterbalanced lift truck.
- "Cradle" shall mean a platform enclosed on all sides but open in top, designed for the purpose of raising and bringing down persons by means of a lifting machine.
- "Freight" is any commodity, loose, bulk form or packaged, dealt with in any quantity; refers to cargo, materials, baggage, goods, stock, merchandise or inventory.

QUALIFICATIONS UTILISING THIS UNIT STANDARD:

	ID	QUALIFICATION TITLE	PRE-2009 NQF LEVEL	NQF LEVEL	STATUS	END DATE	QUALITY ASSURING BODY
Elective	58718	National Certificate: Metals Processing	Level 2	NQF Level 02	Reregistered	2018-06-30	MERSETA
Elective	48794	National Certificate in Quality Checking of Tyres and Tyre Components	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	71989	National Certificate: Automotive Components: Manufacturing and Assembly	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	58862	National Certificate: Electro-Mechanical Winding	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	58720	National Certificate: Engineering Fabrication	Level 3	NQF Level 03	Reregistered	2018-06-30	As per Learning Programmes recorded against this Qual
Elective	64829	National Certificate: Lifting Machine Operations	Level 3	NQF Level 03	Reregistered	2018-06-30	TETA
Elective	23255	National Certificate: Mechanical Engineering: Fitting and Machining	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	91926	National Certificate: Mechanical Engineering: Machining and Tooling	Level 3	NQF Level 03	Reregistered	2018-06-30	As per Learning Programmes recorded against this Qual
Elective	67609	National Certificate: Mechatronics	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	79666	National Certificate: Metal and Engineering Manufacturing Processes	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA

Elective	64190	National Certificate: Metals Production	Level 3	NQF Level 03	Reregistered	2018-06-30	As per Learning Programmes recorded against this Qual
Elective	49449	National Certificate: Plastics Manufacturing	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	36155	National Certificate: Polymer Composite Fabrication	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	79407	National Certificate: Polymer Compound Manufacturing	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	21012	National Certificate: Power and Telecommunication Cable Manufacturing	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	24217	National Certificate: Thermoplastic Fabrication	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	48798	National Certificate: Tyre and Tyre Component Manufacturing	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	48795	National Certificate: Tyre Assembly	Level 3	NQF Level 03	Reregistered	2018-06-30	MERSETA
Elective	57886	National Certificate: Welding Application and Practice	Level 3	NQF Level 03	Reregistered	2018-06-30	As per Learning Programmes recorded against this Qual

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