Wash glass containers for reuse using a bottle washing machine

Level 2
Credits 5

Purpose This unit standard is for people who are currently working in the resource recovery industry.

People credited with this unit standard are able to demonstrate knowledge of a bottle washing machine; prepare to operate a bottle washing machine; demonstrate the operation of a bottle washing machine; wash glass containers by machine for reuse; and maintain a bottle washing machine and area.

Subfield Resource Recovery
Domain Recycling and Recovery
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Standard setting body (SSB) NZ Motor Industry Training Organisation (Incorporated) (MITO)

Accreditation and Moderation Action Plan (AMAP) reference 0114
This AMAP can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Special notes

1 All work practices must comply with:
   Health and Safety in Employment Act 1992;
   bottle washing machine manufacturer’s instructions;
   processing schedule.

2 Hazard controls, safety procedures, and personal protective equipment must be used throughout operations in accordance with company procedures.
3 Definitions

*Bottle washing machine* refers to machinery for washing glass containers, such as bottles and jars.

*Company procedures* means the documented methods for performing work activities and includes health and safety, environmental, and quality management requirements. They may refer to manuals, codes of practice, or policy statements.

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**Elements and performance criteria**

**Element 1**

Demonstrate knowledge of a bottle washing machine.

**Performance criteria**

1.1 The potential hazards of operating bottle washing machines are identified and hazard controls are outlined in accordance with bottle washing machine manufacturer’s instructions and company procedures.

Range includes but is not limited to – water temperature, water pressure.

1.2 The components and functions of a bottle washing machine are described in accordance with bottle washing machine manufacturer’s instructions and company procedures.

Range components include but are not limited to – machine controls, water inlet, valves, spray jets, drainage, racks, drying system.

**Element 2**

Prepare to operate a bottle washing machine.

**Performance criteria**

2.1 Job requirements are confirmed in accordance with company procedures.

Range includes but is not limited to – bottle type, bottle preparation, machine settings, recording.

2.2 Machine prestart checks are demonstrated in accordance with bottle washing machine manufacturer’s instructions and company procedures.

2.3 Unsuitable material is identified and rejected in accordance with client requirements, bottle washing machine manufacturer’s instructions, and company procedures.
Element 3

Demonstrate the operation of a bottle washing machine.

Performance criteria

3.1 Machine startup and shutdown procedures are demonstrated in accordance with bottle washing machine manufacturer’s instructions and company procedures.

3.2 Machine is operated safely in accordance with bottle washing machine manufacturer’s instructions and company procedures.

3.3 Specifications are maintained during processing and machine faults are reported or acted on in accordance with company procedures.

Range specifications may include but are not limited to – water temperature, water pressure, drying temperature; machine faults may include – stopping, blockage, mechanical failure, electrical failure.

3.4 Emergency shutdown is demonstrated in accordance with bottle washing machine manufacturer’s instructions and company procedures.

Element 4

Wash glass containers by machine for reuse.

Performance criteria

4.1 Containers are received and fed into the machine in accordance with company procedures.

4.2 Process checks are completed during operations in accordance with company procedures.

4.3 Commodity throughput is maintained in accordance with provided processing schedule.

4.4 The washed containers meet client requirements for cleanliness and labelling, and company requirements for minimal breakage of containers.
Element 5

Maintain a bottle washing machine and area.

Performance criteria

5.1 Operator maintenance is demonstrated in accordance with bottle washing machine manufacturer’s instructions and company procedures, and any specialist servicing requirements are reported in accordance with company procedures.

Range maintenance may include but is not limited to – minor adjustments to machine, notifying person responsible for corrective action.

5.2 Housekeeping of bottle washing area is demonstrated in accordance with company procedures.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the NZ Motor Industry Training Organisation (Incorporated) (MITO) info@mito.org.nz if you wish to suggest changes to the content of this unit standard.