



Australian Government

Department of Education, Employment and Workplace Relations

AHCMKH301A Carry out minor service of milking equipment

Release: 1

AHCMKH301A Carry out minor service of milking equipment

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the processes of identification of faults in milking equipment by mechanical testing and safety audits and the replacement of consumable parts and components in line with programmed maintenance procedures and defines the standard required to: observe and critically evaluate the performance of milking equipment; operate the full range of milking equipment components; identify common sources of air leakage; operate hand tools and use a range of test equipment proficiently; read and interpret operators manuals and maintenance data supplied; disassemble and assemble a range of milking equipment components such as pulsators, regulators.
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Application of the Unit

Application of the unit	This unit requires some judgement and discretion and is carried out routinely.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Identify faults in milking machines	1.1. Occupational Health and Safety (OHS) hazards are identified, risk assessed and recorded. 1.2. Poor performance of milking equipment is identified from observations at milking. 1.3. Minor machine adjustments are carried out to rectify identified poor performance characteristics. 1.4. Fault finding and fault diagnosis is completed with minimum disruption to milking routines.
2. Identify external faults	2.1. Independent electrical appliances that impact on the farm dairy operation are identified and isolated. 2.2. Animal behaviour during milking is observed and recorded to identify abnormalities. 2.3. Earthing systems and grids are installed to minimise potential differences in the milking shed.
3. Carry out operational service & maintenance of milking machines	3.1. Machine components are cleaned, adjusted and defective parts or components repaired or replaced to bring machine up to industry performance standards. 3.2. Defective electric motors are disconnected, removed and replaced to conform to manufacturer's recommendations and OHS guidelines. 3.3. Programmed maintenance routines are completed to replace consumables and maintain lubrication in accordance with manufacturer's recommendations. 3.4. OHS hazards identified in safety audits are eliminated or risk controlled according to manufacturer's guidelines and industry standards. 3.5. Adjustments are completed to restore optimum performance of milking equipment.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- identify hazards and implement safe work procedures
- observe and critically evaluate the performance of milking equipment
- operate the full range of milking equipment components

REQUIRED SKILLS AND KNOWLEDGE

- identify common sources of air leakage
- operate hand tools and use a range of test equipment proficiently
- communicate effectively with the dairy farmer, milkers and other personnel to identify all contributing factors to milking equipment performance
- disassemble and assemble a range of milking equipment components such as pulsators, regulators
- use literacy skills to read, interpret and follow organisational policies and procedures, follow sequenced written instructions, record accurately and legible information collected and select and apply procedures for a range of tasks
- use numeracy skills to estimate, calculate and record routine workplace measures
- use interpersonal skills to work with and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- familiarity with the components that make up milking equipment installations and their individual contributions to milking function
- common symptoms of poor milking machine performance
- symptoms demonstrated by animals in the milking environment when external problems are apparent
- routine maintenance requirements for milking equipment
- consumable replacement strategies recommended for milking equipment
- lubrication requirements for milking equipment
- OHS legislation and industry and enterprise safety standards for milking equipment installations
- environmental legislation and impacts of milking machinery servicing.

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following:

- observe and critically evaluate the performance of milking equipment
- operate the full range of milking equipment components
- identify common sources of air leakage
- operate hand tools and use a range of test equipment proficiently
- read and interpret operators manuals and maintenance data supplied
- disassemble and assemble a range of milking equipment components such as pulsators, regulators.

Context of and specific resources for assessment

Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole.

Operational service may include:

- setting, adjusting and servicing pulsators
- inspecting and servicing vacuum pumps
- topping up of oil or water in vacuum pumps
- servicing of milk pumps
- cleaning and servicing of automatic cup removers.

Unit Sector(s)

Unit sector	Milk harvesting
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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