



Australian Government

AHCMKH305 Mechanically test milking machines

Release: 1

AHCMKH305 Mechanically test milking machines

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to mechanically test milking machines.

All work must be carried out to comply with workplace procedures, work health and safety, animal welfare and biosecurity legislation and codes, and sustainability practices.

This unit applies to individuals who work under broad direction and use discretion and judgement in the selection and use of available resources.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Milk Harvesting (MKH)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Record milking machine specifications	1.1 Establish herd details and health status 1.2 Determine expected performance from machine specifications 1.3 Assess and record condition of components 1.4 Identify work health and safety hazards, assess risks implement controls, record and report to supervisor
2. Calculate required milking machine	2.1 Calculate effective reserve based on facility specifications 2.2 Calculate vacuum pump capacity from effective reserve

Element	Performance criteria
performance	2.3 Record manufacturer's recommended component specification and matching
3. Measure milking machine performance	3.1 Measure working vacuum levels in line with required performance 3.2 Adjust vacuum to optimise milking facility performance 3.3 Determine and report air consumption and component leakage. 3.4 Test pulsators in line with manufacturer's recommendations 3.5 Establish and match working air consumption to manufacturer's recommendations
4. Make recommendations to optimise machine performance	4.1 Interpret test results in line with desired performance and herd details 4.2 Provide recommendations and a written report on safety considerations for the specific installation tested 4.3 Provide recommendations on milking facility performance 4.4 Complete report on component condition in line with manufacturer's requirements

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCMKH305A Mechanically test milking machines.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCMKH305 Mechanically test milking machines

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- record milking machine specifications
- calculate required milking machine performance
- measure milking machine performance
- make recommendations to optimise machine performance
- apply enterprise work health and safety policies

Knowledge Evidence

The candidate must demonstrate knowledge of:

- information required, criteria and methods for assessing herd health status
- types, functions, cleaning, monitoring and maintenance of milking machines, milking machine components and milking facility equipment
- requirements, criteria and assessment methods for optimal performance of milking machines and their components
- requirements and methods for determining the performance targets of a milking enterprise from the herd status and milking installations
- possible faults, problems and poor performance with milking machines and their components, impacts on milking operations and corrective actions for these faults and problems
- relevant work health and safety requirements
- key aspects and components of reports and recommendations to a milking enterprise

Assessment Conditions

Competency is to be assessed in the workplace OR workplace and simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

Links

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