

## Modification history

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

<b>AHCMKH4XX</b>	<b>Conduct performance tests on milking machines</b>
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to test milking machines for performance.</p> <p>This unit applies to technicians who conduct performance tests as part of service and maintenance of milking machines for dairy facilities.</p> <p>All work is carried out to comply with workplace policies and procedures, according to state/territory work health and safety, animal welfare, environmental and biosecurity legislation, regulations and standards that apply to the workplace.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Milk Harvesting (MKH)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for testing of machine	1.1 Establish and confirm milking machine testing requirements from previous testing reports and facility personnel 1.2 Determine facility health and safety hazards, assess risks and identify controls measures 1.3 Select and prepare required testing tools and equipment and check for serviceability
2. Conduct wet test of milking machine	2.1 Refer to relevant mechanical testing reports and outcomes to establish additional test requirements 2.2 Establish protocols for wet testing to suit individual installation requirements 2.3 Install test equipment at specific locations to complete tests 2.4 Measure and record vacuum levels and vacuum drop and identify abnormalities
3. Carry out milking-time tests of milking machine	3.1 Establish protocols for milking-time tests based on consideration of previous dry or wet testing outcomes 3.2 Install testing equipment to complete agreed tests during milking 3.3 Complete milking-time tests and record results and abnormalities
4. Make recommendations to optimise machine performance	4.1 Interpret test results against desired performance 4.2 Complete report and provide recommendations on milking machine performance 4.3 Present report to facility personnel

Foundation Skills	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> <li>Interpret key information from a range of documentation</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Use open-ended questioning and active listening to gather information</li> <li>Use clear language and industry terminology when communicating recommendations to other</li> </ul>

<b>Foundation Skills</b>	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
<b>Skill</b>	<b>Description</b>
Writing	<ul style="list-style-type: none"> <li>Complete reports using the required format, logical structure and industry terminology</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Interpret numerical information on testing reports</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCMKH4XX Conduct performance tests on milking machines	AHCMKH405 Performance test milking machines	Unit title change. Elements added for clarity. Changes to performance criteria performance and knowledge evidence. Foundation skill added. Assessment conditions expanded	Not equivalent

<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>
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<b>TITLE</b>	<b>Assessment requirements for AHCMKH4XX Conduct performance tests on milking machines</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has conducted a wet test and a milking time test for at least two different milking machines, including for each:</p> <ul style="list-style-type: none"> <li>• conducted tests while with live stock</li> <li>• apply work health and safety requirements during testing</li> <li>• developed a report of performance assessment and identified recommendation for improvements.</li> </ul>	
<b>Knowledge Evidence</b>	
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> <li>• requirements, equipment, procedures and assessment criteria for mechanical testing, wet testing and milking time testing of milking machine</li> <li>• criteria, methods and procedures for assessing performance of milking machine</li> <li>• key aspects and components of collating, interpreting and reporting on test results to a facility</li> <li>• relevant work health and safety requirements for conducting performance tests on milking machines.</li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions: <ul style="list-style-type: none"> <li>• skills must be demonstrated in a dairy milking facility or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• milking machines, their components and associated equipment as specified in performance evidence</li> <li>• tools, equipment and materials used to test milking machines</li> <li>• personal protective equipment</li> </ul> </li> <li>• specifications: <ul style="list-style-type: none"> <li>• records of previous milking machine test results</li> <li>• workplace policies and procedures for milking equipment testing, including advice on health and safety requirements</li> <li>• manufacturer specifications.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>