



Australian Government

AHCMOM302 Perform machinery maintenance

Release: 2

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Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to prepare, inspect, maintain and record maintenance requirements for machinery that is used principally in agriculture, horticulture, and conservation and land management work.

The unit applies to individuals who conduct machinery maintenance under broad direction, and take responsibility for their own work.

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

Pre-requisite Unit

Nil

Unit Sector

Machinery operation and maintenance (MOM)

Elements and Performance Criteria

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 to use equipment	1.1 Determine job requirements from workplace instructions 1.2 Source and interpret machinery and equipment operation and maintenance manual servicing information 1.3 Select suitable and safe work site for maintenance activities 1.4 Identify workplace hazards, assess risks and implement risk

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>controls</p> <p>1.5 Select and check for serviceability tools, equipment and materials according to operation and maintenance manual</p> <p>1.6 Fit, use and maintain personal protective equipment according to job requirements and operation and maintenance manual</p>
2. Inspect engine and components	<p>2.1 Carry out regular engine and component checks on machinery and equipment</p> <p>2.2 Lubricate all relevant grease or lubricant points</p> <p>2.3 Change oils and filters at intervals prescribed in operation and maintenance manual</p> <p>2.4 Check hydraulic hoses and systems for deterioration and rectify defects according to operation and maintenance manual</p>
3. Inspect transmission	<p>3.1 Check drive and steering clutches for operation and adjust where applicable according to operation and maintenance manual</p> <p>3.2 Check transmission oil levels</p> <p>3.3 Check tracks or wheels and undercarriage for oil leaks and wear</p> <p>3.4 Identify faulty seals or leaks and take corrective actions according to operation and maintenance manual</p> <p>3.5 Clean machinery according to workplace requirements</p>
4. Maintain components and attachments	<p>4.1 Check components for wear and condition</p> <p>4.2 Replace worn or unserviceable components according to operator and maintenance manual</p> <p>4.3 Complete component inspection and replacement activities in line with workplace procedures</p> <p>4.4 Check moving operational components for wear and condition and adjust to the tolerances specified in operator and maintenance manual</p> <p>4.5 Clean and maintain work areas and return to operating condition</p> <p>4.6 Collect, treat and dispose or recycle waste from maintenance activities according to workplace procedures</p>
5. Record maintenance	<p>5.1 Record identified faults and defects in machine record</p> <p>5.2 Record maintenance procedures in workshop record in line with workplace procedures</p>

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	5.3 Report service or repair requirements to management

Foundation Skills

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.

Skill	Description
Reading	<ul style="list-style-type: none"> Interpret textual information from a range of sources to identify relevant and key information about workplace operations
Writing	<ul style="list-style-type: none"> Legibly and accurately fill out workplace documentation when recording faults, defects and maintenance procedures
Oral communication	<ul style="list-style-type: none"> Use clear language to report service or repair requirements
Numeracy	<ul style="list-style-type: none"> Calculate quantities of machinery fluids including oil Identify correct tyre pressure
Navigate the world of work	<ul style="list-style-type: none"> Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility

Range of Conditions

This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Machinery and equipment must include at least one of the following:	<ul style="list-style-type: none"> heavy earthmoving equipment tractors vehicles and trucks skid steer loaders self-propelled harvesters and pickers front end loaders forklifts
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	<ul style="list-style-type: none">• land levellers• motorised turf mowing equipment• spraying equipment• pumps• grain handling equipment.
Personal protective clothing and equipment must include:	<ul style="list-style-type: none">• enclosed toe shoes• safety glasses/goggles.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMOM302 Perform machinery maintenance Release 2	AHCMOM302 Perform machinery maintenance Release 1	Minor changes to performance criteria and range of conditions	Equivalent unit

Links

Companion Volumes, including Implementation Guides are available at VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>