



Australian Government

AHCMOM101 Assist with routine maintenance of machinery and equipment

Release: 3

AHCMOM101 Assist with routine maintenance of machinery and equipment

Modification History

Release	Comments
Release 3	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 2.0.
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 assist with routine maintenance tasks for small engine machinery and associated equipment.

The unit applies to individuals who assist with routine maintenance tasks while working alongside a supervisor exercising limited autonomy within established and well known parameters. They identify and seek help with simple problems.

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 for basic	1.1 Read or listen to work instructions from supervisor and clarify

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
routine maintenance	where necessary 1.2 Select tools and supplies required to carry out basic routine maintenance tasks according to job requirements 1.3 Select, fit and use personal protective equipment applicable to job requirements 1.4 Carry out routine pre-operational checks of machinery and equipment according to operation and maintenance manual and make adjustments where required 1.5 Identify and segregate faulty or unsafe machinery and equipment for repair or replacement 1.6 Identify health and safety hazards in the workplace and report safety concerns to supervisor
2. Carry out basic routine maintenance	2.1 Carry out greasing, lubrication and other basic servicing of machinery and equipment 2.2 Make routine adjustments and repairs to machinery and equipment 2.3 Use safe workplace practices and methods when undertaking basic routine maintenance tasks
3. Complete basic routine maintenance activities	3.1 Clean and store tools according to workplace procedures 3.2 Clean and maintain work areas and return to operating condition 3.3 Collect, treat and dispose or recycle waste from maintenance activities according to workplace procedures 3.4 Report malfunctions, faults, wear or damage of tools to supervisor

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
Oral communication	- Use clear language to report malfunctions, faults, wear or damage to tools - Participate in verbal exchanges to respond to questions and clarify information

Skill	Description
Numeracy	Interpret machinery and equipment fluid levels including grease, oil and fuel
Navigate the world of work	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.

Pre-operational checks must include:	- machinery and equipment damage and serviceability - checking for missing parts - fluid leaks and levels - fuel level.
Machinery and equipment must include at least two of the following:	- hydraulic equipment - hydroplats - stationary engines - pumps - irrigation equipment - seeders - harvesters - balers - spraying equipment - hedging machines - solar and wind powered equipment.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMOM101 Assist with routine maintenance of machinery and	AHCMOM101 Assist with routine maintenance of machinery and	Minor changes to performance criteria and range of conditions	Equivalent unit

equipment Release 3	equipment Release 2		
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Links

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

Assessment Requirements for AHCMOM101 Assist with routine maintenance of machinery and equipment

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has assisted with routine maintenance tasks for at least two different types of small engine machinery and associated equipment and has:

- identified hazards and reported to supervisor
- tested machinery and equipment to identify maintenance requirements
- carried out routine repairs and adjustments required for maintenance of machinery and equipment
- cleaned and maintained work area and returned to operating condition
- applied safe and environmentally responsible workplace practices
- used oral communication skills and language competence to communicate effectively with others
- followed workplace health and safety procedures.

Knowledge Evidence

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:

- types, characteristics and functions of machinery and equipment
- types, characteristics and functions of tools used in maintenance of machinery and equipment
- machinery and equipment operation and maintenance manual
- environmental impacts of machinery servicing and disposal methods for fuels, oils and other wastes

- workplace procedures applicable to health and safety in the workplace and machinery maintenance.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - machinery and equipment
 - maintenance tools and equipment
 - personal protective equipment applicable to the task being undertaken
- specifications:
 - machinery operation and maintenance manual
 - workplace procedures applicable to health and safety in the workplace and machinery maintenance
- relationships:
 - supervisors
- timeframes:
 - according to the job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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