



**Australian Government**

# **AHCMOM204 Undertake operational maintenance of machinery**

**Release: 2**

# AHCMOM204 Undertake operational maintenance of machinery

## 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 for, carry out and complete operational maintenance of machinery used in the agriculture, horticulture and land management sectors.

The unit applies to individuals who undertake routine work under general supervision with limited autonomy and accountability when conducting machinery maintenance tasks.

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 maintenance                       | 1.1 Confirm with supervisor activity to be undertaken, including identifying and reporting potential hazards and risks and implementing safe working practices to manage risks<br><br>1.2 Select tools and supplies that conform with job requirements and maintenance plan |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                             |
|                                                  | 1.3 Select and check serviceability of tools, equipment and materials according to machinery operation and maintenance manual<br>1.4 Select and maintain personal protective equipment according to workplace safety requirements<br>1.5 Fit and use personal protective equipment applicable to maintenance task to be undertaken |
| 2. Perform scheduled maintenance                 | 2.1 Undertake machinery basic servicing tasks in line with workplace practices<br>2.2 Adjust equipment according to task requirements<br>2.3 Apply basic diagnostic techniques and identify and fix mechanical faults<br>2.4 Report serious or complex faults to supervisor                                                        |
| 3. Complete maintenance activities               | 3.1 Clean and store tools according to workplace procedures<br>3.2 Clean and maintain work areas and return to operating condition<br>3.3 Collect, treat and dispose or recycle waste from maintenance activities according to workplace procedures<br>3.4 Record maintenance procedures in workshop records                       |

## 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"> <li>Interpret textual information from a range of sources to identify relevant and key information and workplace operations</li> </ul>                                             |
| Writing            | <ul style="list-style-type: none"> <li>Document machinery maintenance activities in required format</li> </ul>                                                                                                        |
| Oral communication | <ul style="list-style-type: none"> <li>Use clear language to report safety concerns and serious or complex faults</li> <li>Participate in verbal exchanges to respond to questions and clarify information</li> </ul> |
| Numeracy           | <ul style="list-style-type: none"> <li>Calculate quantities of machinery fluids including oil, lubricant and fuel</li> </ul>                                                                                          |

| Skill                      | Description                                                                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Navigate the world of work | <ul style="list-style-type: none"><li>• Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility</li></ul> |

## 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 must include at least two of the following:                   | <ul style="list-style-type: none"><li>• chainsaws</li><li>• harvesters</li><li>• hedge trimmers</li><li>• mechanical pruners</li><li>• motorcycles</li><li>• rotary hoes</li><li>• sprayers</li><li>• tractors</li><li>• turf mowers</li><li>• vehicles</li><li>• winches.</li></ul>                                                                                                                                                            |
| Basic servicing tasks must include:                                     | <ul style="list-style-type: none"><li>• maintenance interval schedule daily check</li><li>• machinery damage and serviceability</li><li>• removal and replacement of faulty parts and/or components</li><li>• tagging complex faulty parts and/or components</li><li>• checking for missing parts</li><li>• fluid leaks and levels</li><li>• fuel level</li><li>• machine controls</li><li>• servicing tasks applicable to machinery.</li></ul> |
| Basic diagnostic techniques must include at least one of the following: | <ul style="list-style-type: none"><li>• inspection</li><li>• trouble shooting</li><li>• fault finding.</li></ul>                                                                                                                                                                                                                                                                                                                                |

## Unit Mapping Information

| Code and title<br>current version                                                 | Code and title<br>previous version                                                | Comments                                                            | Equivalence status |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------|
| AHCMOM204<br>Undertake<br>operational<br>maintenance of<br>machinery<br>Release 2 | AHCMOM204<br>Undertake<br>operational<br>maintenance of<br>machinery<br>Release 1 | Minor changes to<br>performance criteria<br>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>