Modification history

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| Release | Comments |
| 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 and meets the Standards for Training Packages 2012. |

| AHCMOM204 | Undertake operational maintenance of machinery |
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| Application | This unit of competency describes the skills and knowledge required to prepare for, carry out and complete operational maintenance of machinery.  The unit applies to individuals who apply operating principles to the maintenance of machinery to undertake routine work under general supervision with limited autonomy and accountability.  No occupational licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil. |
| Unit Sector | Machinery operation and maintenance (MOM) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1.Prepare for maintenance | 1.1 Confirm with supervisor activity to be undertaken, including identifying and reporting potential hazards and risks and implementation of safe working procedures  1.2 Select tools and supplies appropriate to job requirements and confirm against workplace instructions or maintenance plan  1.3 Select and check for serviceability tools, equipment and materials according to machinery operation and maintenance manual  1.4 Select and use personal protective clothing equipment |
| 2.Perform scheduled maintenance | 2.1 Undertake machinery basic servicing tasks  2.2 Adjust equipment appropriately  2.3 Apply basic diagnostic techniques and identify and fix mechanical faults  2.4 Report serious or complex faults to supervisor |
| 3.Complete maintenance activities | 3.1 Clean and store tools  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 Record maintenance procedures in workshop record |

| 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. | |
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| Skill | Description |
| Reading | * Interpret textual information from a range of sources to identify relevant and key information and workplace operations |
| Writing | * Document machinery maintenance |
| Oral communication | * Use clear language to report safety concerns and serious or complex faults * Participate in verbal exchanges to respond to questions and clarify information |
| Numeracy | * Calculate quantities of machinery fluids including oil, lubricant 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. | |
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| Machinery must include at least one of the following: | * chainsaws * harvesters * hedge trimmers * mechanical pruners * motorcycles * rotary hoes * sprayers * tractors * turf mowers * vehicles * winches. |
| Personal protective equipment must include: | * safety boots/shoes * safety glasses/goggles * personal protective clothing and equipment applicable to the task being undertaken. |
| Basic servicing tasks must include: | * maintenance interval schedule daily check * machinery damage and serviceability * removal and replacement of faulty parts and/or components * tagging complex faulty parts and/or components * checking for missing parts * fluid leaks and levels * fuel level * machine controls * servicing tasks applicable to machinery. |
| Basic diagnostic techniques must include at least one of the following: | * inspection * trouble shooting * fault finding. |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCMOM204 Undertake operational maintenance of machinery | AHCMOM204A Undertake operational maintenance of machinery | This unit is equivalent to AHCMOM204A Undertake operational maintenance of machinery. Minor changes to performance criteria and range of conditions. | Equivalent |

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

| TITLE | Assessment requirements for AHCMOM204 Undertake operational maintenance of machinery |
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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, on at least one occasion, the individual has:   * identified hazards and reported to supervisor * selected and prepared tools and equipment * carried out lubrication and operational servicing of machinery * conducted basic diagnostic tests required for maintenance of machinery * checked machinery components for wear and tear, replaced parts, tagged and reported defects * collected, removed and recycled or disposed of wastes according workplace environmental procedures * followed workplace health and safety procedures. | |

| Knowledge Evidence |
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| 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 and uses of lubricants and other commonly used servicing materials * operating principles of machinery including mechanical and auto-electrical systems * servicing characteristics of plant and equipment * types, characteristics, uses and limitations of hand power tools * functions of components of common mechanical and hydraulic systems * different working principles of two stroke, four stroke, petrol and diesel engines * set-up requirements of plant and equipment, and principles of calibration * basic diagnostic processes and techniques * machinery and equipment operation and maintenance manual * environmental impacts of machinery maintenance and disposal of fuels, oils and other wastes * workplace procedures applicable to work health and safety requirements to maintain machinery safely. |

| Assessment Conditions |
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| 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 * maintenance tools and equipment * personal protective clothing and equipment applicable to the task being undertaken * specifications: * machinery operation and maintenance manual * workplace procedures applicable to 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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