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. |

| AHCMOM101 | Assist with routine maintenance of machinery and equipment |
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| Application | This unit of competency describes the skills and knowledge required to prepare, carry out and complete routine maintenance assistance of small engine machinery and equipment including hand tools.  The unit applies to individuals who comply with operating principles to assist with routine maintenance 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. |
| 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 basic routine maintenance | 1.1 Read or listen to work instructions from supervisor and clarify where necessary  1.2 Select tools and supplies required to carry out basic routine maintenance tasks  1.3 Carry out routine pre-operational checks of machinery and equipment according to operation and maintenance manual and make adjustments where required  1.4 Identify and segregate faulty or unsafe machinery and equipment for repair or replacement  1.5 Identify work health and safety hazards and report safety concerns to the supervisor  1.6 Select and use personal protective clothing equipment |
| 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 work methods |
| 3.Complete basic routine 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 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. | |
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| Skill | Description |
| Oral communication | * Use clear language to report malfunctions, faults wear or damage to tools, and work health and safety hazards * Participate in verbal exchanges to respond to questions and clarify information |
| Numeracy | * Calculate quantities of machinery and equipment fluids 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. | |
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| 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 one of the following: | * hydraulic equipment * hydroplats * stationary engines * pumps * irrigation equipment * seeders * harvesters * balers * spraying equipment * hedging machines * solar and wind powered equipment. |
| Personal protective equipment must include: | * safety boots/shoes * safety glasses/goggles * personal protective clothing and equipment applicable to the task being undertaken. |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCMOM101 Assist with routine maintenance of machinery and equipment | AHCMOM101A Assist with routine maintenance of machinery and equipment | This unit is equivalent to AHCMOM101A Assist with routine maintenance of machinery and equipment. 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 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, on at least one occasion, the individual 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 work 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, 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 work health and safety and machinery maintenance. |

| 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 and equipment * 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 work health and safety 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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