



Australian Government

**Assessment Requirements for
AHCMOM302 Perform machinery
maintenance**

Release: 3

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Modification History

Release	Comments
Release 3	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 10.0.
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.

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 undertaken maintenance of machinery that is used principally in agriculture, horticulture or conservation and land management work at least once and has:

- identified workplace hazards, assessed risks and implemented safe workplace procedures
- carried out engine and equipment inspection and maintenance
- carried out transmission inspection and maintenance
- carried out lubrication and replacement of oils and filters
- checked machinery and equipment components for wear and tear, replaced parts, tagged and reported defects
- minimised environmental impacts associated with undertaking machinery maintenance
- maintained machinery and equipment components
- recorded details of maintenance and monitoring
- applied workplace health and safety procedures when undertaking machinery maintenance activities.

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:

- engine function principles
- turbo charging and after cooling
- assessing engine specifications in line with power requirements

- engine electric and hydraulic indicators and gauges
- transmission and drive systems
- machinery and equipment operation and maintenance manual
- environmental impacts of machinery servicing and disposal of fuels, oils and other wastes
- workplace procedures applicable to health and safety in the workplace and machinery maintenance.

Assessment Conditions

Assessment of the skills in this unit of competency 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
 - safety equipment and 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
- 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.

Links

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