



Australian Government

Assessment Requirements for AHCMOM401 Conduct major repair and overhaul of machinery and equipment

Release: 2

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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.

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 undertaken major repair and overhaul of machinery and equipment in a manner that allows the core business of the enterprise to continue with minimal disruption and has:

- identified potential workplace hazards and implemented control measures
- diagnosed faults and identified the most effective and economic option in the replacement, repair and overhaul of components
- selected and used tools and materials appropriate to the task
- recognised and replaced deteriorated or worn parts
- disassembled and reassembled parts and components of machinery and equipment according to operation and maintenance manual and manufacturer specifications
- used and operated welding and thermal cutting equipment safely and effectively
- determined appropriate cutting and welding techniques
- disposed of wastes to minimise environmental impact
- recorded details of breakdowns, major repairs, overhauls and incidents in workshop record.

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:

- assemblies and components of drive, electrical and hydraulic systems
- operational requirements of machinery and equipment
- detailed knowledge of mechanics and equipment operating systems
- use and storage of welding equipment

- maintenance manuals and manufacturer specifications for machinery and equipment operation relevant to repair tasks
- environmental impacts of machinery and equipment major repair and disposal of fuels, oils and other wastes
- workplace procedures applicable to health and safety in the workplace for major repair of machinery and equipment.

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
 - repair and overhaul tools and equipment
 - welding equipment
 - safety equipment and personal protective equipment applicable to the task being undertaken
- specifications:
 - machinery and equipment operation and maintenance manual and manufacturer specifications
 - workplace procedures applicable to health and safety in the workplace and machinery maintenance
- relationships:
 - team members and 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.

Links

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