



Australian Government

Assessment Requirements for AURTTA023 Develop and apply hydraulic system modifications

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- develop and apply one of the following significant and non-routine modifications on the hydraulic system of two different vehicles, vessels, machinery or equipment:
 - adapt or modify hydraulic system to a significantly changed capability
 - adapt hydraulic system for different work conditions, for example high altitude or underground mine
 - modify or install a significant hydraulic system for a special purpose.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to developing and applying hydraulic system modifications, including procedures for dealing with high pressure fluid systems
- environmental requirements, including procedures for trapping, storing and disposing of fluids released from hydraulic systems
- principles and processes involved in planning and implementing modifications to hydraulic systems
- types, functions, operation and limitations of hydraulic systems being modified
- types, functions, operation and limitations of diagnostic testing equipment required for hydraulic system modifications, including flow and pressure gauges
- requirements of Australian Design Rules (ADRs) and Vehicle Safety Bulletins (VSBs) relating to hydraulic system modifications
- procedures for documenting and reporting the modification specifications and outcomes.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the hydraulic systems that they have modified, e.g. repair orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- automotive repair workplace or simulated workplace
- workplace instructions
- manufacturer hydraulic system specifications
- ADRs and VSBs relating to hydraulic system modifications
- two different vehicles, vessels, machinery or equipment requiring hydraulic system modification
- testing equipment for hydraulic system modification
- tools, equipment and materials appropriate for completing hydraulic system modifications.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

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