



Australian Government

Assessment Requirements for AUMFTE001 Conduct engine hot tests

Release: 1

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Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMFTE3001 Conduct engine hot test

Performance Evidence

Before competency can be determined, individuals must have competently conducted an engine hot test on a minimum of three occasions.

Individuals must demonstrate they can:

- interpret and apply job specifications and work instructions when conducting engine hot test
- apply quality requirements when conducting engine hot test
- use tools and equipment safely when conducting engine hot test
- use engine hot test procedures to identify non-conforming engine faults, using electronic scan tools, mechanical and sensory tests, following work health and safety (WHS) requirements and workplace procedures
- complete workplace test records and documents.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- WHS requirements and workplace procedures for conducting hot engine tests
- workplace production quality standards
- manufacturing and production techniques for engines
- engine testing terminology
- types and uses of engine test tools and equipment
- engine faults and symptoms
- engine parts and construction
- engine testing techniques and equipment
- processes for calculating material requirements.

Assessment Conditions

Assessors must satisfy SNR/AQTF assessor requirements and relevant vehicle operating licences.

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

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vehicles on which they have worked, e.g. work sheets.

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 workplace or simulated workshop
- workplace procedures to conduct hot engine tests
- work instructions for conducting hot engine tests
- tools, equipment and machinery required to conduct an engine hot test
- engines requiring hot engine tests and engine manufacturer specifications
- engine test cradle or workplace equivalent.

Links

Companion Volume implementation guides are found in VETNet2 -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=bd587669-08b3-4cd5-85f0-f9fa0c6304c1>

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