



Australian Government

Assessment Requirements for AURVTN030 Service air compressors and air lines

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:

- inspect and service two different air compressor systems, in which the work must involve the following system components:
 - air compressor motor
 - air compressor tank
 - drive system
 - pressure regulator
 - water trap and filters
 - air lines and fittings.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to servicing air compressors and air lines, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - working with stored energy, compressed air, and rotating shafts, belts and pulleys
- environmental requirements, including procedures for trapping, storing and disposing of air compressor oils and fluids
- types of air compressors and principles of operation, including:
 - single stage reciprocating compressors
 - rotary screw compressors
- identification, function and operation of air compressor system and components specified in the performance evidence

- types and applications of air compressor lubricants
- procedures for final inspection of air compressors and air lines, including:
 - compressor cut-out pressure
 - minimising unintended air loss
 - automatic timing switch adjustment.

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 air compressor systems that they have serviced, e.g. service 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 workplace or simulated workplace
- workplace instructions
- manufacturer air compressor specifications
- two different air compressor systems and components requiring service
- tools, equipment and materials appropriate for servicing air compressors and air lines.

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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