



Australian Government

Assessment Requirements for AURKTA004 Inspect, service and repair spraying and spreading equipment

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, service and repair:
 - one spraying equipment
 - one spreading equipment
- during above work, adjust flow and pressure of delivery system to manufacturer specifications.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to inspecting, servicing and repairing spraying and spreading equipment, including procedures for working with:
 - spraying chemicals
 - high pneumatic and hydraulic pressures
 - rotating shafts
- environmental requirements, including procedures for waste and chemical management, machine hygiene, dust and clean-up management
- procedures for flushing chemicals from spraying and spreading equipment prior to inspect, service and repair work
- operating principles of spraying and spreading equipment, including:
 - pumps, pressure and flow
 - drive systems
- application, purpose and operation of spraying and spreading equipment, including:

- spraying equipment for distributing liquid pesticides, herbicides and fertilisers, including:
 - pumping system
 - nozzle liquid delivery system
 - mixing system
 - marking and covering system
 - electronic weed identification system
- spreading equipment for distributing solids and semi-solids, including fertilisers and waste products:
 - distribution control
 - delivery system
 - pumping system
 - material handling and storage
- inspection procedures for spraying and spreading equipment, including:
 - component wear analysis
 - system operation analysis
 - electronic system interrogation
- service and repair procedures for spraying and spreading equipment, including:
 - removing, replacing and repairing components
 - adjusting pressure, volume and coverage of spraying and spreading equipment
- post-repair testing procedures for spraying and spreading equipment, including:
 - variable operating parameters
 - impact of environmental factors.

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 spraying and spreading equipment that they have serviced and repaired, 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 spraying and spreading specifications
- one spraying equipment and one spreading equipment requiring service and repair

- diagnostic equipment for spraying and spreading equipment
- tools and equipment appropriate for inspecting, servicing, repairing and adjusting spraying and spreading equipment.

Links

Companion Volume implementation guides are found in VETNet -

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