



Australian Government

**Assessment Requirements for AURNTB001
Diagnose and repair forklift hydraulic
braking systems**

Release: 1

Assessment Requirements for AURNTB001 Diagnose and repair forklift hydraulic braking systems

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:

- diagnose and repair a fault in two of the following types of forklift hydraulic braking systems:
 - drum brake system
 - dry disc brake system
 - wet multi-plate disc brake system.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to diagnosing and repairing forklift braking systems, including procedures for working with:
 - working with brake dust and hydraulic oil hazards
 - using lifting, jacking and supporting equipment
- environmental requirements, including procedures for trapping, storing and disposing of hydraulic fluids and brake dust released from braking systems
- operating principles of forklift hydraulic braking systems and associated components, including:
 - levers
 - friction
 - hydraulics, including the relationship between force, pressure and area
- application, purpose and operation of forklift hydraulic braking systems and components, including:

- power assisted systems, including:
 - drum brake systems
 - dry disc brake systems
 - wet multi-plate disc systems
 - parking brake systems
 - master cylinders
 - braking system valves and switches
 - brake boosting systems
- full hydraulic systems, including:
 - wet multi-plate disc systems
 - parking brake systems
 - braking system valves and switches
 - oil pump and cooler
- diagnostic testing procedures for forklift hydraulic braking systems, including:
 - brake pedal checks
 - brake booster operational tests
 - master cylinder operational tests
 - brake or hydraulic fluid tests
 - parking brake operational tests
 - drum, dry disc and wet multi-plate disc brake operational tests
 - brake drum, shoe, disc and pad measurement and evaluation
- repair procedures for forklift hydraulic braking systems, including procedures for removing, repairing, replacing and adjusting:
 - hydraulic system components
 - braking system components
- post-repair testing procedures for forklift braking systems.

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 forklift hydraulic braking systems that they have worked on, 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 forklift hydraulic braking system specifications
- operational forklifts with faults in two different braking systems
- diagnostic equipment for forklift hydraulic braking systems
- tools, equipment and materials appropriate for repairing and adjusting forklift hydraulic braking systems.

Links

Companion Volume implementation guides are found in VETNet -

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

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