



Australian Government

Assessment Requirements for AURNTD001 Diagnose and repair forklift hydrostatic steering systems

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:

- diagnose and repair a fault in three of the following forklift hydrostatic steering system components:
 - king pin assembly
 - steering control unit
 - hydraulic valves
 - pump
 - steering column
 - hydraulic cylinders.

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 hydrostatic steering systems, including procedures for:
 - working with high pressure fluid hazards
 - using lifting, jacking and supporting equipment
- environmental requirements, including procedures for trapping, storing and disposing of hydraulic fluids released from hydrostatic steering systems
- operating principles of forklift hydrostatic steering systems and associated components, including full hydraulic steering
- application, purpose and operation of the following forklift hydrostatic steering systems and components, including:

- king pin assembly
- steering control unit
- hydraulic valves
- pump
- steering column
- hydraulic cylinders
- diagnostic testing procedures for forklift hydrostatic steering systems, including:
 - pressure and flow testing the system and individual components
 - system operation analysis
 - component wear analysis
- repair procedures for forklift hydrostatic steering systems, including procedures for removing, replacing and adjusting the systems
- post-repair testing procedures for forklift hydrostatic steering 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 hydrostatic steering 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 hydrostatic steering system specifications
- operational forklifts with faults in the hydrostatic steering system components specified in the performance evidence
- diagnostic equipment for forklift hydrostatic steering systems
- tools, equipment and materials appropriate for repairing and adjusting forklift hydrostatic steering 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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