



**Australian Government**

# **Assessment Requirements for AURTTX004 Inspect and service hydrostatic transmissions**

**Release: 1**

# Assessment Requirements for AURTTX004 Inspect and service hydrostatic transmissions

## 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 the hydrostatic transmissions of two different machinery.

## 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 and servicing hydrostatic transmissions, including procedures for:
  - working with high oil pressures
  - working with stored hydraulic accumulator pressures
  - isolating and stabilising machinery
- environmental requirements, including procedures for trapping, storing and disposing of oil released from hydrostatic transmissions
- identification, function and basic operation of hydrostatic transmission and components, including:
  - charge pump
  - main pump
  - drive motor
  - filters
  - hydraulic lines
  - heat exchanger
  - reservoir
  - control valve
- types and applications of hydraulic oil

- inspection procedures for hydrostatic transmissions, including:
  - hydraulic oil sampling
  - oil leaks
  - pressure checks as required
- service and adjustment procedures for hydrostatic transmissions, including
  - adjusting or replenishing oil level as required
  - replacing filters as required
- post-service testing procedures for hydrostatic transmissions.

## 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 hydrostatic transmissions 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:

- mechanical repair workplace or simulated workplace
- workplace instructions
- manufacturer hydrostatic transmission specifications
- two different machinery with hydrostatic transmissions requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing hydrostatic transmissions.

## 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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