



**Australian Government**

**Assessment Requirements for AURTTX104  
Inspect and service hydrostatic  
transmissions**

**Release: 1**

# Assessment Requirements for AURTTX104 Inspect and service hydrostatic transmissions

## Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

## Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- inspect and service the hydrostatic transmissions of at least two different pieces of machinery.

## Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to inspect and service hydrostatic transmissions, including:
  - information provided by customer and supervisors
  - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to inspect and service hydrostatic transmissions including:
  - establishing serviceability of tools and equipment
  - documentation procedures, including:
    - inspection findings and recommendations for required repair or adjustment
  - housekeeping procedures, including:
    - examination of tools and equipment
    - storage of equipment
    - identification, tagging and isolation of faulty equipment
    - disposal of excess materials
    - recycling procedures
- work health and safety (WHS) 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**

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.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

## **Links**

Companion Volume Implementation Guide is found on VETNet -

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