



Australian Government

Assessment Requirements for AURTTX010 Overhaul hydrostatic transmissions

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:

- overhaul three different hydrostatic transmissions.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to overhauling hydrostatic transmissions, including procedures for using:
 - specialised hydrostatic transmission overhaul tools, equipment and machinery
 - chemicals and toxic substances
 - manual and mechanical lifting equipment
- environmental requirements, including procedures for trapping, storing and disposing of fluids released from hydrostatic transmissions
- types, characteristics and operating principles of hydrostatic transmissions
- hydrostatic transmission overhaul procedures, including:
 - methods for cleaning and preparing hydrostatic transmissions for overhaul
 - transmission dismantling procedures
 - transmission component inspection, measuring and evaluation procedures, including:
 - transmission case damage
 - measuring tolerances and clearances of components
 - transmission component repair and adjustment procedures, including procedures for removing and replacing components
 - transmission assembly procedures, including procedures for adjusting component tolerances

- post-overhaul 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
- three different hydrostatic transmissions requiring overhaul
- tools, equipment and materials appropriate for overhauling and adjusting 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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