



Australian Government

**Assessment Requirements for AURKTA005
Inspect, service and repair track type drive
and support systems**

Release: 1

Assessment Requirements for AURKTA005 Inspect, service and repair track type drive and support 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:

- inspect, service and repair one machine track type drive and support system, including four of the following components:
 - carrier roller
 - track roller
 - undercarriage idler
 - drive sprocket
 - track chain
 - recoil spring
 - track chain tensioner
 - track plate
 - track frame, including its alignment.

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, servicing and repairing track type drive and support systems, including procedures for:
 - manually handling system components
 - isolating and stabilising machines
 - releasing track chain tensioner
 - working with recoil spring stored energy

- disassembling track chain tensioner
- working with stored hydraulic pressure
- environmental requirements, including procedures for:
 - trapping, storing and disposing of lubricants and fluids released from track type drive and support systems
 - waste management, machine hygiene, dust and clean-up management
- operating principles of track type drive and support systems, including:
 - track system
 - undercarriage system
- application, purpose and operation of track type drive and support systems, including:
 - track links, pins, bushings and track shoes
 - undercarriage idlers, carrier rollers, drive sprockets, track chain tensioners, recoil spring, accumulator, track plate, track frame and guards
- inspection procedures for track type drive and support systems, including:
 - component wear analysis
 - system operation analysis
- diagnostic testing procedures for track type drive and support systems, including:
 - component wear analysis, including:
 - track links, pins, bushings and track shoes
 - undercarriage idlers, rollers, drive sprockets, tensioners, track frame and guards
 - track frame alignment
- reclamation principles of track type drive components
- service and repair procedures for track type drive and support systems, including removing, replacing, repairing and adjusting system components
- post-repair testing procedures for track type drive and support systems, including:
 - track tension adjustment
 - track frame alignment.

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 track type drive and support systems that they have serviced and repaired, 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 track type drive specifications
- machinery with track type drive and support system requiring service and repair
- track drive system inspection and measurement tools and gauges, including:
 - track chain, track link, pin, bushing and track shoe
 - undercarriage tensioner, roller, idler and drive sprocket
- tools, equipment and materials appropriate for inspecting, servicing, repairing and adjusting track type drive and support systems.

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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