



Australian Government

AURKTJ003 Perform minor repairs to earthmoving and off-the-road tyres

Release: 3

AURKTJ003 Perform minor repairs to earthmoving and off-the-road tyres

Modification History

Release	Comment
Release 1	New unit of competency
Release 2	Updated to correct data
Release 3	Minor changes to elements, foundation skills, performance evidence and knowledge evidence

Application

This unit describes the performance outcomes required to inspect and perform minor repairs to earthmoving and off-the-road (OTR) tyres.

It applies to those who fit earthmoving and OTR tyres, wheel and rim assemblies of not less than 600 mm (24 inches) nominal diameter.

Licensing, legislative, regulatory or certification requirements may apply to this unit in some jurisdictions. Users are advised to check with the relevant regulatory authority.

Competency Field

Mechanical - Mobile Plant

Unit Sector

Technical - Wheels and Tyres

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section
1. Prepare for inspection of tyre	1.1 Australian standards for earthmoving and OTR tyres, workplace procedures and safety information are identified and interpreted 1.2 Site and task hazards are identified and control measures

ELEMENTS	PERFORMANCE CRITERIA
	determined 1.3 Initial workplace documentation for tyre inspection is completed 1.4 Tyre is prepared and cleaned for inspection 1.5 Tyre is positioned and secured for inspection
2. Inspect tyre	2.1 Extent and nature of internal and external tyre damage are identified 2.2 Damage is categorised in line with Australian standards 2.3 Repairable and non-repairable damage and extent of repairs are identified 2.4 Overall repairability of tyre is determined
3. Carry out minor repair	3.1 Information on appropriate manufacturer instructions and Australian standards is accessed and interpreted 3.2 Task hazards and risks are identified, and risk controls are applied to equipment to be used 3.3 Minor repair to tyre is carried out according to workplace procedures, manufacturer instructions and Australian standards
4. Complete work processes	4.1 Workplace documentation relating to tyre repair is completed 4.2 Inspection documentation is completed according to Australian standards 4.3 Tyre is stored according to workplace procedures 4.4 Work area is cleared and waste materials disposed of, reused or recycled according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skills	Description
Learning skills to:	identify information and assistance in manufacturer instructions and Australian standards relating to the inspection and repair of earthmoving and OTR tyres
Reading skills to:	- read and interpret information in: - written Australian standards, workplace procedures and manufacturer instructions - charts, lists, drawings and other applicable documents.
Writing skills to:	- document required repair actions - complete inspection documentation.

Skills	Description
Oral communication skills to:	- ask questions to clarify instructions and procedures - report inspection and repair results.
Numeracy skills to:	- read and interpret metric and imperial systems of measurement. - read and interpret mathematical information, including charts and drawings - use specialist tools and measuring equipment, including: - gauges - pressure testing guns.
Digital literacy skills to:	use workplace computerised technology and tools relating to the inspection and repair of earthmoving and OTR tyres.
Initiative skills to:	plan and prioritise own work to achieve required outcomes.
Planning and organising skills to:	- select and use appropriate equipment, materials, processes and procedures when inspecting and repairing tyres - recognise own limitations when selecting and using tools and equipment and seek timely advice.
Problem-solving skills to:	- seek information and assistance as required to solve problems - identify tyre condition and determine repair requirements.

Unit Mapping Information

AURKTJ003 Perform minor repairs to earthmoving and off-the-road tyres

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AURKTJ003 Perform minor repairs to earthmoving and off-the-road tyres

Modification History

Release	Comment
Release 1	New unit of competency
Release 2	Updated to correct data
Release 3	Minor changes to elements, foundation skills, performance evidence and knowledge evidence

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 and foundation skills:

- inspect and perform minor repairs to earthmoving and off-the-road (OTR) tyres on a minimum of three occasions on different earthmoving and OTR tyres
- perform the above work on wheel assemblies and rim assemblies of not less than 600 mm (24 inches) nominal diameter.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- Australian standards and manufacturer instructions relevant to inspecting and repairing earthmoving and OTR tyres
- hazard identification procedures and risk control methods relevant to inspecting and repairing earthmoving and OTR tyres
- inspection procedures for earthmoving and OTR tyres
- indicators of tyre damage
- procedures for identifying and undertaking minor repairs to earthmoving and OTR tyres
- procedures for reporting damage and repair work on earthmoving and OTR tyres
- types of tyre damage, including repairable and non-repairable damage.

Assessment Conditions

Assessors must satisfy SNR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vehicles 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:

- Australian standards relevant to the inspection and minor repair of earthmoving and OTR tyres
- earthmoving and OTR tyres
- manufacturer instructions and workplace procedures relevant to inspecting and repairing earthmoving and OTR tyres
- tools and equipment appropriate for the inspection and minor repair of earthmoving and OTR tyres
- workplace location or simulated workplace.

Links

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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