



Australian Government

AURKTJ005 Select earthmoving and off-the-road tyres, wheels and rim assemblies for specific applications

Release: 1

AURKTJ005 Select earthmoving and off-the-road tyres, wheels and rim assemblies for specific applications

Modification History

Release	Comment
Release 1	New unit of competency

Application

This unit describes the performance outcomes required to select earthmoving and off-the-road (OTR) vehicle tyres, wheels and rim assemblies to suit specific applications. It involves identifying and confirming work requirements; preparing for work; selecting tyres, wheels and rim assemblies; and completing work finalisation processes.

It applies to those working on earthmoving and OTR vehicle tyres, wheels and rim assemblies in the mining, construction and other industrial environments.

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 to select tyres, wheels and rim assemblies	1.1 Customer and job requirements are determined 1.2 Workplace instructions and information required to select tyres, wheels and rim assemblies are sourced
2. Determine appropriate tyres, wheels and rim	2.1 Information required to select earthmoving and OTR tyres, wheels and rim assemblies is accessed from manufacturer and

ELEMENTS	PERFORMANCE CRITERIA
assemblies	component supplier specifications 2.2 Tyre, wheel and rim assembly options are analysed to identify technical compliance, economic benefits and operational requirements 2.3 Selection procedures are carried out according to workplace instructions and work health and safety (WHS) requirements 2.4 Product is selected according to customer requirements, manufacture and component supplier specifications
3. Complete selection of tyres, wheels and rim assemblies	3.1 Customer is briefed on product selection 3.2 Required documentation regarding selection is completed

Foundation Skills

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

Skills	Description
Learning skills to:	identify sources of information and assistance in selecting earthmoving and OTR tyres, wheels and rim assemblies.
Reading skills to:	- read and interpret written information in: - job instructions - manufacturer and component supplier specifications - workplace instructions.
Writing skills to:	- complete workplace documentation - document product selection.
Oral communication skills to:	- ask questions to clarify instructions, procedures or customer requirements - brief customer on product selection - follow oral instructions.
Numeracy skills to:	- read and interpret both metric and imperial systems of measurement. - interpret numerical information in: - job instructions - manufacturer and component supplier specifications - workplace instructions relating to wheels, rim assemblies, and tyres.
Problem-solving skills to:	seek information and assistance to solve problems.

Unit Mapping Information

No equivalent unit.

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 AURKTJ005 Select earthmoving and off-the-road tyres, wheels and rim assemblies for specific applications

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Performance Evidence

Before competency can be determined, individuals must have competently selected a minimum of two different earthmoving and off-the-road (OTR) tyres, wheels and rim assemblies.

Individuals must demonstrate they can:

- access and interpret information required for selecting tyres, wheels and rim assemblies
- select a range of earthmoving and OTR vehicle tyres, wheels and rim assemblies according to customer, workplace, manufacturer and component supplier requirements, observing safety procedures and requirements.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- Australian standards relating to earthmoving and OTR vehicle tyres, wheels and rim assemblies
- work health and safety requirements relating to selecting earthmoving and OTR vehicle tyres, wheels and rim assemblies
- earthmoving and OTR vehicle tyres, wheels and rim assembly terminology and codes
- earthmoving and OTR tyre tread patterns; and tyre and wheel and rim assembly types and their applications.

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:

- workplace location or simulated workplace
- Australian standards relating to earthmoving and OTR vehicle tyres, wheels and rim assemblies
- earthmoving and OTR vehicles with tyres, wheels and rim assemblies
- manufacturer and component supplier specifications
- workplace instructions.

Links

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