



Australian Government

AURHTJ102 Select heavy vehicle tyres, wheels and rims

Release: 1

AURHTJ102 Select heavy vehicle tyres, wheels and rims

Modification History

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

Application

This unit describes the skills and knowledge required to select heavy vehicle tyres, wheels and rims to suit specific applications. It involves identifying and confirming work requirements, preparing for the work, selecting tyres, wheels and rims and completing workplace processes and documentation.

The unit applies to those who work in the automotive service and repair industry. The tyres, wheels and rims include those of agricultural machinery, forklifts, heavy commercial vehicles or mobile plant machinery.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Unit Sector

Mechanical – Heavy Vehicle Technical – Wheels and Tyres

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify tyre and wheel options	1.1 Identify job requirements from workplace instructions 1.2 Obtain and interpret tyre and wheel information in order to identify tyre and wheel options required for the job 1.3 Identify hazards and issues associated with the work, assess potential risks and implement control measures from workplace health and safety requirements
2. Select tyres and wheels for specific applications	2.1 Assess technical compliance and economic benefits of tyre, wheel and rim options 2.2 Select tyres, wheels, and rims according to manufacturer specifications, workplace procedures, Australian Design

ELEMENT	PERFORMANCE CRITERIA
	Rules, and customer requirements
3. Complete work processes	3.1 Communicate selection to appropriate personnel or customer according to workplace procedures 3.2 Complete and process workplace documentation according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	Locates required sources of information efficiently
Reading	Interprets information from manufacturer specifications and workshop literature when seeking tyre, wheel and rim specifications
Numeracy	- Interprets numerical information when selecting tyres, wheels and rims - Understands both metric and imperial units of measurement

Unit Mapping Information

Supersedes and is equivalent to AURHTJ002 Select heavy vehicle tyres, wheels and rims for specific applications.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for AURHTJ102 Select heavy vehicle tyres, wheels and rims

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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:

- select the tyres, wheels and rims for four different heavy vehicles to suit specific customer requirements, which must involve accessing and interpreting information in manufacturer specifications relating to the selection.

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 apply manufacturer specifications for the following heavy vehicle wheels and tyres:
 - tubeless and tubed tyres
 - bias ply and radial ply tyres
 - demountable rims
 - disc wheels
 - tyre tread designs
- methods to locate and apply Australian Design Rules relating to heavy vehicle tyres and wheels
- procedures to communicate with customers the selection of tyres and wheels
- workplace procedures relating to the selection of heavy vehicle tyres, wheels and rims, including:
 - documentation for heavy vehicle wheels and tyres
 - workplace housekeeping procedures
 - documentation procedures
- workplace health and safety requirements relating to heavy vehicle wheels and tyres
- heavy vehicle tyre, wheel and rim technical information, including:
 - heavy vehicle tyre fitment guide

- Tyre and Rim Association of Australia Standards Manual
- heavy vehicle tyre and wheel assembly terminology and codes
- heavy vehicle tread patterns, and tyre and wheel assembly types
- specific tyre applications for varying terrain, soil and weather conditions.

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 heavy vehicle tyres, wheels and rims that they have selected, 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
- vehicle manufacturer tyre, wheel and rim specifications and tyre, wheel and rim fitment guide
- Australian Design Rules relating to heavy vehicle tyres, wheels and rims
- four different heavy vehicles for the selection of tyres, wheels and rims
- equipment and material appropriate for selecting heavy vehicle tyres, wheels and rims for specific applications.

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

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