



Australian Government

PMBPROD336 Inspect heavy off-the-road tyres

Release: 1

PMBPROD336 Inspect heavy off-the-road tyres

Modification History

Release 1. Supersedes and is equivalent to PMBPROD336A Inspect heavy off-the-road tyres

Application

This unit of competency covers the skills and knowledge required to inspect heavy off-the-road tyres. It applies to tyres defined by AS 4457.2-2008 Earth-moving machinery - Off-the-road wheels, rims and tyres - Maintenance and repair - Tyres (or its replacement) or similar tyres.

This unit of competency applies to operators who are required to plan the work, complete paperwork, determine reparability of the tyre, communicate with customers and solve problems within area of responsibility.

This unit of competency applies to an operator demonstrating theoretical and technical knowledge and well developed skills in situations that require some discretion and judgement. The operator may work alone or as a member of a team or group and will work in liaison with other shift team members, team leader and supervisor, as appropriate.

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

Pre-requisite Unit

Nil

Competency Field

Production

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1 Prepare for inspection | 1.1 Complete initial documentation for tyre |
| | 1.2 Raise all relevant paperwork as required |
| | 1.3 Clean tyre ready for inspection |

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| | | 1.4 | Position tyre securely for inspection |
| 2 | Inspect tyre | 2.1 | Identify injuries to tyre both internally and externally |
| | | 2.2 | Investigate injuries for extent and nature |
| | | 2.3 | Identify injuries/tyres which are irreparable |
| | | 2.4 | Determine injuries which should be repaired |
| | | 2.5 | Mark areas requiring repair |
| | | 2.6 | Categorise injuries to standard |
| | | 2.7 | Determine overall reparability of the tyre |
| 3 | Finalise inspection | 3.1 | Complete any required internal paperwork |
| | | 3.2 | Prepare customer quotation as required |
| | | 3.3 | Communicate with customer in accordance with procedures |
| | | 3.4 | Make arrangements for tyre to be repaired, scrapped or returned as required |
| 4 | Anticipate and solve problems | 4.1 | Recognise a problem or a potential problem |
| | | 4.2 | Determine problems needing priority action |
| | | 4.3 | Refer problems outside area of responsibility to appropriate person, with possible causes |
| | | 4.4 | Seek information and assistance as required to solve problems |
| | | 4.5 | Solve problems within area of responsibility |
| | | 4.6 | Follow through items initiated until final resolution has occurred |

Foundation Skills

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

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Regulatory framework The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used.

Applicable legislation, regulations, standards and codes of practice include:

- health, safety and environmental (HSE) legislation, regulations and codes of practice relevant to the workplace, manual handling and hazardous materials
- AS 4457.2-2008 Earth-moving machinery - Off-the-road wheels, rims and tyres - Maintenance and repair – Tyres, or its replacement
- other Australian/international standards relevant to the materials being used and products being made
- any relevant licence and certification requirements.

All operations to which this unit applies are subject to stringent HSE requirements, which may be imposed through state/territory or federal legislation, and these must not be compromised at any time. Where there is an apparent conflict between performance criteria and such requirements the legislative requirements take precedence.

Procedures All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, and include one or any combination of:

- emergency procedures
- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- formulas/recipes

- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the plant.

Tools and equipment

Tools and equipment include:

- inspection equipment, including one or more of:
 - NDI scanning equipment
 - nail hole detector
 - high pressure tester
 - x-ray
 - ultrasound
- ancillary equipment that is integral to the process.

Additional tools and equipment will be selected as required from:

- hand tools used in this process
- power tools used in this process
- hoists/lifting equipment not requiring any special permits or licences
- manual handling aids, such as hand carts and trolleys
- relevant personal protective equipment (PPE).

Problems

Routine and non-routine problems must be resolved.

Non-routine problems must be resolved by applying operational knowledge to develop new solutions, either individually or in collaboration with relevant experts, to:

- determine problems needing action
- determine possible fault causes
- develop solutions to problems which do not have a known solution
- follow through items initiated until final resolution has occurred
- report problems outside area of responsibility to designated person.

Non-routine problems are unexpected problems or variations of previous problems and include one or more of:

- variations in quality
- emergency situations
- intermittent faults.

Operational knowledge includes one or more of:

- procedures
- training
- technical information, such as journals and engineering specifications
- remembered experience
- relevant knowledge obtained from appropriate people.

Routine problems are predictable and have known solutions and include one or more of:

- equipment malfunctions
- hidden damage
- broken chords
- cord body fabric damage
- variations in materials.

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=932aacef-7947-4c80-acc6-593719fe4090>