



Australian Government

PMBPROD326E Inspect tyres

Release: 1

PMBPROD326E Inspect tyres

Modification History

Release 1. Unit code changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD326 Inspect tyres.

Application

This unit covers the skills and knowledge required to inspect and test finished tyres.

This unit applies to experienced operators who are required to identify codings and quality standards, perform inspections and tests, determine tyres needing action, apply stamps and codings, and solve problems within area of responsibility.

This unit applies to an experienced 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 and will work in liaison with other shift team members, team leader and supervisor, as appropriate.

No licensing or certification requirements apply to this unit of competency at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Production – 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.
1. Plan work requirements	1.1 Identify requirements for tyre inspection and testing from job specifications 1.2 Identify different tyre types, identification codings and quality standards required from job specifications 1.3 Perform pre-operational checks including checking for and controlling hazards 1.4 Identify housekeeping needs and waste management strategies for

Elements	Performance Criteria
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	repair or scrap in preparation for work to be undertaken
2. Perform pre-production tasks	2.1 Conduct visual inspection of tyres to identify clear defects 2.2 Manually locate bumps or dips 2.3 Check inspection equipment settings and make adjustments to meet job specifications 2.4 Undertake other pre-startup checks according to equipment specifications and workplace procedures
3. Operate and adjust tyre testing machines	3.1 Start up and operate machine to rotate and test tyres, and make adjustments to settings to meet job specifications 3.2 Ensure process is operating according to equipment specifications and workplace procedures 3.3 Follow checking and testing processes to assess if results meet testing requirements and quality standards, and apply strategies for managing non-conforming results 3.4 Maintain continuity of process to support ongoing testing 3.5 Accurately complete logs and records 3.6 Apply waste management strategies to collect discarded or nonconforming materials to be disposed of, recycled, or reprocessed according to workplace procedures 3.7 Clean work area, and clean, adjust and lubricate equipment according to equipment specifications and workplace procedures 3.8 Pause or stop machine cycle in normal and abnormal circumstances according to workplace procedures
4. Stamp, label and sort tyres	4.1 Follow tyre identification system to stamp identification number and weekly code on each tyre 4.2 Sort passed tyres by coding ready for transfer to next stage of operation 4.3 Sort failed tyres for repair or scrap
5. Anticipate and solve process control variances	5.1 Recognise existing or potential process control variances and their causes 5.2 Determine, prioritise and implement remedial and preventative actions based on identified issues and causes 5.3 Monitor process control variances and corrective actions taken until resolved

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	5.4 Accurately maintain records and logbooks

Foundation Skills

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

- Numeracy skills to interpret technical information and equipment readings.
- Reading skills to interpret specifications and workplace procedures.
- Writing and oral communication skills to record and report on tyre inspection operations.

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

Unit Mapping Information

Supersedes and is equivalent to PMBPROD326 Inspect tyres.

Links

Companion Volume implementation guides are found in VETNet –

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

Assessment Requirements for PMBPROD326E Inspect tyres

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- inspect tyres at least once to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- function and operating principles of tyre testing equipment, machine components and ancillary equipment
- production workflow sequences
- tyre identification, coding and labelling standards and requirements
- types of tyres and their construction and material content
- types and application of test and inspection methods
- the criteria for overall process/equipment readiness for the process or equipment being used
- typical quality specifications required at each stage of the process
- common faults that can be identified manually or visually
- common faults can be identified using testing and inspection equipment
- key variables that may affect product quality and testing or inspection output
- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions
- organisational procedures relevant to the work environment and job role, including procedures for the emergency shutdown of equipment
- hazards that may arise in the job or work environment, and:
 - their possible causes
 - potential consequences
 - appropriate risk controls.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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