



Australian Government

PMBPROD367E Remove and replace conveyor belts

Release: 1

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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 PMBPROD367 Remove and replace conveyor belts.

Application

This unit describes the skills and knowledge required to remove and replace conveyor belts. It applies to all types of industrial conveyor.

This unit applies to an experienced technician working alone or as part of a team.

The unit principally refers to skills and knowledge that can be adapted to suit specialised work sites and working conditions.

No licensing or certification requirements exist 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 – Conveyor Belt Repair

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 for conveyor belt replacement	1.1 Review belt specifications and work order documentation to plan for replacement 1.2 Perform pre-operational checks including checking for and controlling hazards 1.3 Review plan to ensure downtime is minimised, materials are used economically and quality standards are met 1.4 Obtain required permissions and permits 1.5 Confirm availability of required equipment, tools and materials and follow procedures to check them for condition, quality and compliance tags

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	1.6 Ensure that safe work area has been established according to workplace procedures
2. Remove and replace conveyor belt	2.1 Examine conveyor system for existing and potential sources of belt damage 2.2 Facilitate removal of conveyed materials from belt according to workplace procedures 2.3 Ensure conveyor equipment is disengaged and locked out according to equipment instructions 2.4 Remove tension from belt according to equipment instructions 2.5 Set up equipment to appropriately support removal and replacement of belt, without unnecessary twisting or bending 2.6 Remove existing belt and track replacement belt onto rollers 2.7 Store removed belt according to workplace procedures 2.8 Follow procedures to correctly splice new belt
3. Commission conveyor belt	3.1 Inspect belt condition for imperfections or irregularities 3.2 Start up and monitor conveyor according to equipment startup procedures 3.3 Monitor and adjust tracking, speed and tensions to ensure correct operation
4. Shut down conveyor belt in emergency	4.1 Observe belt in operation and identify conditions that may require emergency shutdown of equipment 4.2 Give notice of any impending shutdown to relevant personnel 4.3 Follow workplace shutdown procedures
5. Clean work area	5.1 Clean work area and return to approved condition 5.2 Apply waste management strategies to collect waste to be disposed of or recycled according to workplace procedures 5.3 Accurately complete workplace documentation

Foundation Skills

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

- Reading skills to interpret job and equipment specifications and workplace procedures.
- Writing and oral communication skills to record and report on emergency shutdown requirements and process control variances.

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 PMBPROD367 Remove and replace conveyor belts.

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 PMBPROD367E Remove and replace conveyor belts

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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:

- remove and replace conveyor belts at least once to meet plan and quality standards.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions and operating principles of conveyor systems and ancillary equipment
- the stresses and tensions on working belts and common causes of failure
- types and application of joining methods
- impact of incorrect or faulty joining processes
- equipment certification requirements applicable to belt removal and replacement
- organisational procedures relevant to the work environment or 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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