



Australian Government

Assessment Requirements for PMBPROD368E Repair conveyor belt carcasses

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD368 Repair conveyor belt carcass.

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:

- repair conveyor belt carcasses at least once to meet work plan and quality standards.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions of conveyor systems and relevant isolation procedures
- the principles of operation and repair of conveyor belt systems
- stresses and tensions on working belt carcasses and common causes of failure
- repair workflow sequences and materials
- vulcanising process
- products, materials and materials characteristics for carcass repairs
- types of belt reinforcement and related repair methods
- cable lay-up and ply replacement requirements to form a satisfactory repair
- typical quality standards required at each stage of the repair process
- key variables that may affect repair quality, including changes in conveyor and repair materials during the repair process:
 - belt cover condition
 - belt location
 - degree of damage
 - forces acting on the conveyor belt
 - environmental conditions
 - lock-out of equipment
- typical and atypical belt process, equipment and materials problems, including early warning signs, possible causes and corrective actions
- the distinguishing characteristics between causes of problems, including:
 - abrasion
 - impact
 - tearing

- operational problems
- materials properties or failures
- key variables in the vulcanising process, including temperature, pressure and time
- organisational procedures relevant to the work environment or job role
- 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.

Links

Companion Volume implementation guides are found in VETNet – -

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