



Australian Government

PMBPROD368E Repair conveyor belt carcasses

Release: 1

PMBPROD368E Repair conveyor belt carcasses

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.

Application

This unit describes the skills and knowledge required to repair conveyor belt carcasses across all types of industrial conveyor belt.

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

The unit principally refers to the technician applying the best repair technique for the particular type of belt and its required service performance.

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 belt carcass repairs	1.1 Identify materials, work and belt carcass repair requirements from job and equipment specifications 1.2 Identify existing belt faults and best approach for bringing conveyor back to production-readiness according to equipment specifications 1.3 Perform pre-repair checks including checking for and controlling hazards 1.4 Design time-efficient and economical work plans that achieve quality standards while minimising downtime and materials wastage 1.5 Identify and perform checks and testing processes required for

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	equipment, materials, quality and production management 1.6 Identify waste management strategies to collect waste to be disposed of, recycled or reprocessed according to workplace procedures
2. Conduct belt carcass repairs	2.1 Select ventilated work area for repair and remove any contaminants 2.2 Isolate equipment and tag according to workplace procedures 2.3 Strip and remove damaged material according to equipment specifications and workplace procedures 2.4 Cut belt carcass to meet measurement and angle specifications and buff damaged area edges 2.5 Prepare damaged area and cut repair materials to size according to repair specifications 2.6 Prepare and finish surfaces in readiness for bonding 2.7 Apply bonding materials and conduct repair to quality standards 2.8 Vulcanise belt carcass repair according to workplace procedures
3. Check belt carcass repairs	3.1 Check repairs meet quality specifications 3.2 Inform customer when belt carcass is ready for use, or prepare belt carcass for storage or delivery, according to job specifications
4. Perform post-repair tasks	4.1 Clean, inspect and store tools and equipment used according to workplace procedures 4.2 Clean work area according to workplace procedures 4.3 Apply waste management strategies to collect waste to be disposed of, recycled or reprocessed according to workplace procedures 4.4 Accurately complete workplace documentation
5. Anticipate and solve repair 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 5.4 Accurately maintain records and logbooks

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 conveyor belt carcass repair, both internally and with customers.

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 PMBPROD368 Repair conveyor belt carcass.

Links

Companion Volume implementation guides are found in VETNet –

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