



Australian Government

Assessment Requirements for FWPSAW3245 Join band saw blades

Release: 1

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Modification History

| Release | Comments |
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| Release 1 | This version released with FWP Forest and Wood Products Training Package Version 5.0. |

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, at least on one occasion, the individual has:

- joined the following types of band saw blades:
 - narrow band
 - wide band
- in doing the above job, the individual has:
 - followed work order and relevant workplace health and safety and environmental protection procedures
 - welded and annealed blades to specified requirements
 - grinded surplus weld material
 - removed all distortions from the blade surface
 - tensioned the welded zone
 - adjusted back length of the blade
 - cleaned welded zone.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose, types, features and operation of band saws
- features and names of different parts of band saw blades
- purpose, features and operation of tools and equipment used to join and anneal band saw blades:
 - band saw welding equipment
 - grinding and finishing equipment
 - hand or power operated tools

- importance of joining and annealing blades to suit machine design requirements
- weld defects and effects on blade operation
- methods for:
 - welding and annealing blades to specified requirements
 - grinding surplus weld material
 - removing all distortions from the blade surface
 - tensioning the welded zone
- types of risk and hazards and mitigation measures associated with joining band saw blades
- workplace procedures specific to joining band saw blades:
 - workplace health and safety, with particular emphasis on equipment lock-out, use of personal protective equipment (PPE) and safe manual handling
 - communication reporting lines
 - recording and reporting of processing and equipment faults
- environmental protection practices for repairing and maintaining tools and equipment in forest products factory settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing materials.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a saw technician workshop, sawmill or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - band saw welding equipment including one or more of the following: gas metal arc welding (GMAW), gas tungsten arc welding (GTAW), flash butt welders, butt welders
 - grinding and finishing equipment
 - hand or power operated tools
 - saw blades, including narrow and wide band saw blades that cut both ferrous and non-ferrous material
 - PPE suitable for joining band saw blades
- specifications:
 - manufacturer instructions for use, repair and maintenance of equipment
 - work order for repair and maintenance activities with specific instructions for joining band saw blades for specified equipment
 - documents, spreadsheets and proformas for recording processing and equipment faults
 - workplace procedures for joining band saw blades.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>