



Australian Government

Assessment Requirements for FWPSAW3248 Profile saw blanks

Release: 1

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Modification History

Release	Comments
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 the individual has, on at least one occasion, profiled saw blanks, and has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- operated equipment to profile saw blanks
- set up punch and die kits or other equipment used for profiling saw teeth
- calculated the following saw blade dimensions according to manufacturer specifications and timber processing requirements:
 - width
 - length
 - pitch
 - gullet depth
 - hook and back clearance angles
 - number of teeth
- assessed the performance of profiling equipment and completed basic written records for:
 - edge finish
 - wear rates
 - production rates
 - distortion.

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, features and operation of band, wide band and gang saws for which saw blanks are profiled
- features and names of different parts of band saw blades

- purpose, features and operation of tools and equipment used to profile saw blanks:
 - power fly presses
 - punch systems
- importance of profiling saw blanks to match requirements for:
 - characteristics of various materials sawn
 - speed of the sawing process
 - direction of the sawing process
 - cutting angle for sawing
 - saw blade specifications
- methods for:
 - calculating key saw dimensions
 - profiling, pressing and punching saw blanks to required pitch and tooth profile
 - aligning saw teeth
- assessing performance of profiling equipment for:
 - edge finish
 - wear rates
 - production rates
 - distortion
- workplace procedures specific to profiling saw blanks:
 - workplace health and safety, with particular emphasis on equipment lock-out and use of personal protective equipment (PPE)
 - 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 forest product factory setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - one or more of the following types of tools and equipment used to profile saw blanks: power fly presses or punch systems
 - ribbon stock for large heavy duty band, wide band and gang saw blades
 - PPE suitable for profiling saw blanks
 - documents, spreadsheets and proformas for recording processing and equipment faults

- specifications:
 - manufacturer instructions for use, repair and maintenance of equipment
 - work order for repair and maintenance activities, with specific instructions for profiling saw blanks for specified equipment
 - workplace procedures for profiling saw blanks.

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>