



Australian Government

FWPSAW3240 Assess and maintain band saw wheels

Release: 1

FWPSAW3240 Assess and maintain band saw wheels

Modification History

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

Application

This unit of competency describes the skills and knowledge required to fit special wheel dressing equipment to band mill wheels, resurface the wheel profiles and re-assemble the band mill in readiness for production.

The unit applies to individuals who recondition band saw wheels in forest and forest product factory settings.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing (SAW)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for reconditioning	1.1 Review work order to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review environmental protection procedures and workplace health and safety requirements, including use of personal protective equipment, equipment lock-out and safe manual handling techniques

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify, assess and take actions to mitigate risks and hazards associated with reconditioning band saw wheels 1.4 Identify and implement workplace procedures for minimising waste material and maximising energy efficiency 1.5 Select appropriate tools and equipment, and check for operational effectiveness according to manufacturer recommendations
2. Assess and resurface wheel profile	2.1 Inspect and measure band wheel to identify wear and level of stock removal required 2.2 Service, fit and align wheel resurfacing equipment to band wheel according to manufacturer instructions and recommended tolerances 2.3 Make a trial cut to check and further align resurfacer 2.4 Dress band wheel to remove all wear, ensuring face is not hollow 2.5 Control resurfacing feeds to obtain required band wheel profile and finish 2.6 Measure band wheel to ensure wheel diameter meets workplace requirements 2.7 Measure band wheel profile to ensure resurfacing has achieved required profile
3. Re-assemble band saw	3.1 Remove resurfacing equipment and base plate from band saw when resurfacing is complete 3.2 Re-assemble band saw components according to manufacturer instructions 3.3 Set up band saw blade on saw according to the specified alignment 3.4 Test the band saw blade and saw to ensure correct operation 3.5 Remove isolation padlocks or tags at the completion of work according to workplace safety procedures 3.6 Identify routine processing and equipment faults, and resolve or report to appropriate personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Extracts essential information from operational manuals to determine safe operating procedures for equipment
Writing	Prepares routine written reports using the required format, language and structure
Oral communication	Employs active listening and questioning to clarify content of work orders
Numeracy	- Uses measuring equipment to take wheel measurements accurately - Performs precise calculations to determine wheel alignment, alignment of saw guides to wheel faces and wheel thickness - Uses standard units of measurement for speed and dimension - Uses basic mathematical skills to: - calculate the position of a crown given wheel face width - calculate the position of a crown given maximum and minimum saw blade widths - calculate crown height given wheel diameter or circumference
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW3240 Assess and maintain band saw wheels	FWPSAW3222 Recondition band mill wheels	Updated unit code and title for clarity and compliance; revised workplace health and safety requirements; revised performance evidence for clarity and mapping	Equivalent unit

Links

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