



Australian Government

FWPSAW3239 Assess and maintain wide band saw blades

Release: 1

FWPSAW3239 Assess and maintain wide band saw blades

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 level, tension, back gauge, weld and replace teeth on wide band saw blades that are over 70mm in width.

The unit applies to individuals who maintain wide band saw blades in a forest and forest product factory setting.

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 maintenance	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 the use of personal protective equipment, equipment lock-out and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	associated with maintaining wide band saw blades 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 1.6 Plan maintenance process according to work order and workplace requirements
2. Assess saw blade condition	2.1 Remove wide band saw blade from machinery 2.2 Handle saw blade to avoid damaging teeth 2.3 Clean foreign material from blade surfaces 2.4 Inspect saw blade to assess the condition of teeth, tips and saw blade 2.5 Check and mark teeth or tips requiring repair or replacement 2.6 Declare saw blades unserviceable where hazardous defects are found, or blade has become too narrow for use 2.7 Segregate and dispose of unserviceable saw blades according to workplace procedures and environmental protection practices
3. Level, tension and back gauge saw blade	3.1 Use a straight edge to identify lumps and ridges across and along saw blade on both sides of the blade 3.2 Remove ridges or lumps progressively by levelling the saw blade with hammers, levelling attachments or stretcher rolls 3.3 Control rolling patterns to induce the correct amount of tension into the saw blade 3.4 Use a tension gauge of appropriate curvature to verify the saw blade has sufficient tension, and tension is correctly positioned across the blade and is evenly distributed along the length of the blade 3.5 Use an accurate back-gauge to check back length, and roll nonconforming areas to adjust back length to workplace tolerance
4. Repair teeth and blade cracks	4.1 Place saw blade in welding jig for heat application and welding activities 4.2 Check amount of damaged tooth to be removed or crack to be repaired and mark weld line 4.3 Remove metal to proposed line, prepare the edge for welding and clean burn marks

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>4.4 Apply heat and pressure to prepare worn, broken or ground surface for metal build-up or replacement</p> <p>4.5 Build up or replace teeth or cracked area using material and processes that ensure specified metal penetration and density</p> <p>4.6 Use weld run-off tabs to limit stress and hollows at edges of the saw blade</p> <p>4.7 Grind or file teeth or cracks to required shape, tolerance and pitch</p> <p>4.8 Dispose of saws with irreparable teeth, tips or blades according to workplace procedures and environmental protection practices</p> <p>4.9 Identify routine processing and equipment faults, and resolve or report to appropriate personnel</p>

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	<ul style="list-style-type: none"> Extracts essential information from operational manuals to determine safe operating procedures for equipment
Writing	<ul style="list-style-type: none"> Prepares routine written reports using the required format, language and structure
Oral communication	<ul style="list-style-type: none"> Employs active listening and questioning to clarify content of work orders
Numeracy	<ul style="list-style-type: none"> Uses a gauge to measure results of hammering and/or rolling the blade
Navigate the world of work	<ul style="list-style-type: none"> Understands main tasks, responsibilities and boundaries of own role
Interact with others	<ul style="list-style-type: none"> Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	<ul style="list-style-type: none"> Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW3239 Assess and maintain wide band saw blades	FWPSAW3220 Maintain wide band saw blades	Reworded application statement for clarity; revised performance criteria of element 3; updated performance evidence for mapping; updated knowledge evidence and assessment conditions for clarity and mapping; updated unit code and title to reflect changes and for compliance	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>