



Australian Government

FWPSAW3234 File and set saw blades for hand saws and circular saws

Release: 1

FWPSAW3234 File and set saw blades for hand saws and circular saws

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 file and set saw blades for hand saws and circular saws. This activity includes removing and replacing saw blades, positioning blades in jigs, stands or vices, producing bevels along the back clearance angles of teeth, checking blade clearance requirements and setting teeth to workplace requirements.

The unit applies to individuals who file and set saw blades in a saw technician workshop or timber processing facility.

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 filing and setting saw blades	1.1 Review work order to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	of personal protective equipment, equipment lock-out and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with filing and setting saws 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency 1.5 Select appropriate repair and maintenance equipment and check for operational effectiveness according to manufacturer recommendations 1.6 Remove and replace saw blades according to safe work practices and manufacturer instructions
2. File teeth	2.1 Assess saw blade condition 2.2 Select appropriate tools and equipment 2.3 Sharpen saw blade to strip mark 2.4 Check saw blade cutting edge is sharp with consistent angle face, back and corners 2.5 Check tooth profiles are uniform and sharpened according to workplace procedures 2.6 Inspect sharpened saw blade and identify sharpening defects 2.7 Repair saw blade sharpening defects or remove the blade from service
3. Set saw blade	3.1 Set up saw blade in a selected jig to enable setting work 3.2 Check kerf and finish requirements to suit machine horsepower, saw type, materials to be sawn and cutting conditions 3.3 Examine individual teeth to check the amount of setting required 3.4 Maintain consistency of set between alternate teeth 3.5 Measure and assess teeth for the correct setting 3.6 Bevel teeth and assess bevel length 3.7 Apply set to teeth and allow for estimated spring back 3.8 Check set to teeth using gauges according to workplace procedures 3.9 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
Numeracy	- Applies standard units of measurement in saw setting - Uses basic estimation skills to determine spring back - Interprets numerical information on a setting gauge
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
FWPSAW3234 File and set saw blades for hand saws and circular saws	FWPSAW3210 File and set saws	Clarified the type of sawing equipment for which saw blades are filed and set; updated unit code and title to reflect application 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>