



Australian Government

Assessment Requirements for FWPSAW3210 File and set saws

Release: 2

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Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 3.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 2.0.

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- follow organisational policies and procedures relevant to filing and setting saws
- bevelling teeth and assessing bevel lengths, widths, angles and surface texture, in line with standard operating procedures and site production requirements
- removing and replacing saws from equipment
- setting teeth and assessing conditions in line with standard operating procedures
- complete these assessments on saw blade condition:
 - cracks and movement in existing welding repairs
 - altered temper and hardness of blade from excessive heat during cutting
 - weaknesses or damage caused through stress of bending teeth.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- purpose, features and operation of saws for which blades are filed and set:
 - hand saws
 - band saws
 - circular saws
 - gang saws
- features and names of different parts of saw blades
- purpose, features and operation of tools and equipment used to file and set saw blades:
 - jigs
 - vices

- setting instruments; levers and gauges
- automatic or hand-held grinders
- bevel files
- importance of setting teeth 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:
 - removing saw blades from saws
 - assessing saw blade condition
 - setting teeth to a specified profile
 - grinding and bevelling teeth to required shape, tolerance and pitch
 - compensating for the effects of spring back
- tooth pitch and tooth angles at which blades are bevelled (blade geometry)
- characteristics of metal used in saw blades; causes and consequences of spring back
- organisational policies and procedures specific to filing and setting saw blades:
 - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
 - communication reporting lines
 - recording and reporting 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.
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Assessment Conditions

The following resources must be made available:

- tools and equipment used to file and set saw blades:
 - jigs
 - vices
 - setting instruments; levers and gauges
 - automatic or hand-held grinders
 - bevel files
- one or more of the following types of saws to be repaired and maintained:
 - hand saws
 - band saws

- circular saws
- gang saws
- personal protective equipment suitable for filing and setting saw blades
- manufacturers' instructions for use, repair and maintenance of equipment
- work order for repair and maintenance activities with specific instructions for filing and setting saw blades in specified equipment
- relevant personnel for the purposes of communicating information
- template documents for recording processing and equipment faults
- organisational policies and procedures for filing and setting saw blades.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>