



Australian Government

Assessment Requirements for FWPSAW3220 Maintain wide band saw blades

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 maintaining wide band saw blades
- maintain wide band and gang saw blades in line with the work order and within prescribed organisational requirements, including:
 - remove and replace saws from equipment
 - assess saw condition in line with standard operating procedures
- use welding processes and materials to produce:
 - weld beads which provides full penetration fusing together adjacent metal parts
 - welds free from any faults that would have the potential to weaken the strength and endurance capability of the weld deposit and weld zone.

Knowledge Evidence

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

- purpose, features and operation of heavy duty wide band and gang saws for which repairs are completed
- features and names of different parts of wide band saw blades
- purpose, features and operation of tools and equipment used to repair and maintain wide band saw blades:
 - hammers
 - stretcher or tension rolls
 - levelling rolls

- tension gauges and straight edges
- welding equipment and welding materials
- importance of levelling blades, setting tension, applying curvature and 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 heavy duty wide band and gang saws
 - assessing saw blade condition
 - hammering, levelling and tensioning blades to specified requirements
 - applying curvature
 - welding to build up and replace teeth
 - grinding and filing teeth to required shape, tolerance and pitch
- characteristics of metal used in wide band saw blades and range of force which can be applied without damaging blades
- organisational policies and procedures specific to maintaining wide band 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

Assessment Conditions

The following resources must be made available:

- tools and equipment used to repair and maintain wide band saw blades:
 - hammers
 - stretcher or tension rolls
 - levelling rolls
 - tension gauges and straight edges
 - welding equipment
 - welding jigs
 - run-off tabs
 - punches

- engineers hammers
- angle grinders
- sanders
- hand files
- abrasive paper or cloth
- welding material
- tools and equipment to be repaired and maintained:
 - large heavy duty wide band and gang saws used to cut timber
- personal protective equipment suitable for repairing and maintaining wide band saw blades
- manufacturers' instructions for use, repair and maintenance of equipment
- work order for repair and maintenance activities with specific instructions for repairing wide band and gang saw blades in specified equipment
- documents, spreadsheets and commonly used proformas for recording processing and equipment faults
- relevant personnel for the purposes of communicating information
- organisational policies and procedures for maintaining wide band 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>