



Australian Government

FWPSAW3237 Level and tension circular saw blades

Release: 1

FWPSAW3237 Level and tension circular 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 and tension circular saw blades for circular saws and hot saws. This activity includes inspecting saws, repairing defects such as dished blades, damaged teeth and cracks, levelling ridges and lumps, and tensioning the saw.

The unit applies to individuals who level and tension circular 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 repair	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 of personal protective equipment, equipment lock-out and safe manual

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with levelling and tensioning circular saw blades 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
2. Assess saw blade condition	2.1 Remove and replace circular saw blades from sawing equipment 2.2 Handle saws to avoid damaging teeth 2.3 Clean foreign material on saw blade surfaces for inspection 2.4 Inspect saw blade to assess the condition of teeth and saw plate 2.5 Declare saw blade unserviceable where hazardous defects are found 2.6 Segregate and dispose of unserviceable saw blades according to workplace procedures and environmental protection practices
3. Level saw blades	3.1 Assess and match radial, circular and diagonal lumps or ridges on both sides of the saw blade 3.2 Use gauges and straight edges in radial and circular directions and monitor for accuracy 3.3 Remove lumps, ridges or twists progressively using straight edges, hammers and levelling rolls 3.4 Control hammering and rolling patterns to reduce internal blade stresses and avoid spring back and re-occurring defects
4. Tension saw blades	4.1 Assess consistency of required saw blade curvature with a straight edge or tension gauge 4.2 Tension and check saw blade to ensure tension amount, distribution, placement and level follow manufacturer recommendations 4.3 Complete repairs to damaged saw blades and dispose of irreparable saw blades according to environmental protection practices 4.4 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	- Completes precise calculations to correctly level and tension blades - Reads scales on tension gauges to measure results of hammering and/or rolling the blade - Uses standard units of measurement when taking readings from tension gauges
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
FWPSAW3237 Level and tension circular saw blades	FWPSAW3213 Level and tension circular saws	Minor changes; updated unit code and title for clarity and 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>