



Australian Government

FWPSAW3213 Level and tension circular saws

Release: 2

FWPSAW3213 Level and tension circular saws

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.

Application

This unit of competency describes the outcomes required to level and tension circular saw blades and includes inspecting saws, repairing defects such as dished blades, damaged teeth and cracks, levelling ridges and lumps, and tensioning the saw. Work is completed in a forest products factory setting.

The unit applies to Sawdoctor, Saw Repairer.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing

Elements and Performance Criteria

Element	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for repair	1.1 Review work order and where required check with appropriate personnel. 1.2 Select appropriate repair, maintenance and personal protective equipment and check for operational effectiveness in line with manufacturer's recommendations.

	1.3 Plan levelling and tensioning process in line with work order.
2. Assess saw condition	2.1 Follow organisational safety procedures throughout all maintenance and repair processes. 2.2 Handle saws to avoid damaging teeth. 2.3 Clean foreign material on saw surfaces for inspection. 2.4 Inspect saw to assess condition of teeth and saw plate. 2.5 Declare saw unserviceable where hazardous defects are found. 2.6 Segregate and dispose of unserviceable saws in line with organisational procedures and environmental protection practices.
3. Level saw blades	3.1 Assess and match radial and circular ridges or lumps on both sides of blade. 3.2 Use gauges and straight edges in radial and circular directions and monitor for accuracy. 3.3 Remove ridges or lumps progressively through levelling and use stretcher or levelling rolls to flatten. 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 blade curvature with straight edge or tension gauge. 4.2 Tension and check blade to ensure tension amount, distribution, placement and level are in line with manufacturer's recommendations. 4.3 Complete repairs to damaged saw blades and dispose of irreparable saw blades in line with and environmental protection practices. 4.4 Identify routine processing and equipment faults and resolve or report to appropriate personnel.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	• use gauges and straight edges to measure results of hammering and/or rolling the blade • complete precise calculations to correctly level and tension blades.
Oral communication	• ask open and closed probe questions and actively listen to clarify contents of work orders.

skills to:	
Reading skills to:	- interpret documents: - workplace health and safety and other organisational procedures - work orders - manufacturers' maintenance recommendations.
Writing skills to:	complete accurate basic records for processing and equipment faults.
Planning and organising skills to:	efficiently and logically sequence the stages of preparation and repair work using work order to guide activities.
Problem-solving skills to:	- assess saw condition and complete necessary levelling and tensioning adjustments - identify and dispose of unserviceable saws - recognise faulty equipment and resolve by reporting or rectifying.
Technology skills to:	- select and use appropriate repair, maintenance and personal protective equipment for levelling and tensioning circular saws - efficiently and safely level and tension circular saws.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW3213 Level and tension circular saws Release 2	FWPSAW3213 Level and tension circular saws Release 1	Minor typographical errors corrected.	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509f8d3d47>