



Australian Government

FWPSAW3244 Align sawing production systems

Release: 1

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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 align chipper heads and circular or band sawing machines, including the feeding system, and prepare machines for return to production.

The unit applies to individuals who align sawing production systems in a sawmill.

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 work	1.1 Review work order to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety requirements, including the use of personal protective equipment, equipment lock-out and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>associated with aligning sawing production systems</p> <p>1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency</p> <p>1.5 Select appropriate tools and equipment for the work task and check for safety and operational effectiveness according to manufacturer specifications</p> <p>1.6 Access and interpret machine records and manufacturer manuals, and assess machine performance</p>
2. Conduct shutdown	<p>2.1 Implement equipment lock-out procedures according to workplace safety procedures and manufacturer instructions</p> <p>2.2 Remove, replace and temporarily store mechanical components to provide access to alignment parts</p> <p>2.3 Remove, replace and temporarily locate guides</p> <p>2.4 Keep the work area clear of dust, off-cuts and debris according to workplace safety procedures</p>
3. Align chipper heads	<p>3.1 Align chipper head and feed system components according to manufacturer instructions</p> <p>3.2 Check chipper head for free operation according to manufacturer instructions</p> <p>3.3 Replace blades and knives and prepare machine for return to production</p> <p>3.4 Record and report corrective actions that are taken to realign chipper heads</p>
4. Align sawing machines	<p>4.1 Identify conditions related to saw blades and accuracy of cuts that indicate that sawing machine is out of alignment</p> <p>4.2 Check alignment of the sawing machine according to manufacturer and workplace procedures</p> <p>4.3 Establish current alignment of sawing machine, identifying corrective actions required</p> <p>4.4 Align machine to infeed and outfeed system according to manufacturer instructions</p> <p>4.5 Align feed systems components to the line of feed according to manufacturer instructions</p>

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>4.6 Align guiding system to the line of feed according to manufacturer instructions</p> <p>4.7 Align saw blades to the line of feed according to manufacturer instructions</p> <p>4.8 Replace all tools and machine components and re-assemble machine for return to production</p> <p>4.9 Record and report corrective actions that are taken to realign sawing machine</p>

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
Reading	<ul style="list-style-type: none"> Extracts essential information from complex technical documents and manuals to determine safe alignment procedures
Writing	<ul style="list-style-type: none"> Prepares routine written reports using the required format, language and structure
Oral communication	<ul style="list-style-type: none"> Employs active listening and questioning to clarify content of equipment history records
Numeracy	<ul style="list-style-type: none"> Performs precise mathematical calculations to determine the correct alignment of key parts of the sawing system according to specified settings Uses basic mathematical symbols and conventions in completing workplace reports related to alignment activities
Navigate the world of work	<ul style="list-style-type: none"> Understands main tasks, responsibilities and boundaries of own role
Interact with others	<ul style="list-style-type: none"> Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	<ul style="list-style-type: none"> Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW3244 Align sawing production systems	FWPSAW3209 Align sawing production systems	Reworded application statement; updated element 3 and further specified tasks in element 4; updated performance criteria, knowledge evidence and assessment conditions for mapping	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>