



Australian Government

FWPSAW3222 Recondition band mill wheels

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPISAW3222B Recondition band mill wheels, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to prepare the band mill, fit special grinders, grind the wheel profile and re-assemble the band mill in readiness for return of bandsaws and wide bandsaws to service. Work is completed in a forest and wood 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

<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 reconditioning	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 reconditioning process in line with work order.
2. Fit and grind wheel	2.1 Follow organisational safety procedures throughout all

profile	<p>maintenance and repair processes.</p> <p>2.2 Inspect and measure wheel to identify wear and grinding method.</p> <p>2.3 Service, fit and align wheel grinder to wheel and band mill in line with manufacturer's instructions and recommended tolerances.</p> <p>2.4 Make trial cut to check and further align grinder.</p> <p>2.5 Grind wheel to remove all wear, ensuring face is not hollow.</p> <p>2.6 Control grinding feeds to obtain required wheel profile and finish.</p> <p>2.7 Measure wheel to ensure diameter of back and front edges are equivalent.</p> <p>2.8 Measure wheel profile to ensure grinding has achieved required profile.</p>
3. Reassemble band mill wheel	<p>3.1 Remove grinder and base plate from band mill when grinding is complete.</p> <p>3.2 Reassemble band mill components to manufacturer's instructions.</p> <p>3.3 Set up band saw on mill to specified alignment.</p> <p>3.4 Test band saw and mill to ensure correct operation.</p> <p>3.5 Remove isolation padlocks or tags at completion of work in line with safety procedures.</p> <p>3.6 Dispose of unserviceable wheels in line with organisational procedures and environmental protection practices.</p> <p>3.7 Identify routine processing and equipment faults and resolve or report to appropriate personnel.</p>

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:	<ul style="list-style-type: none"> • accurately take wheel measurements • estimate the speed of band mill wheel rotation with the speed and depth of cut • complete precise calculations to achieve: • wheel alignment • alignment of saw guides to wheel faces • wheel thickness to manufacturer's specifications
Oral communication	<ul style="list-style-type: none"> • ask questions and actively listen to clarify contents of work orders.

skills to:	
Reading skills to:	<ul style="list-style-type: none"> • interpret: <ul style="list-style-type: none"> • workplace health and safety procedures • work orders • manufacturers' instructions and maintenance recommendations.
Writing skills to:	<ul style="list-style-type: none"> • complete basic accurate records of processing and equipment faults.
Planning and organising skills to:	<ul style="list-style-type: none"> • efficiently and logically sequence stages of preparation and repair work using work order to guide activities.
Problem-solving skills to:	<ul style="list-style-type: none"> • assess wheel condition and rectify faults through correct grinding processes • identify and dispose of unserviceable wheels • recognise faulty equipment and resolve by reporting or rectifying.
Technology skills to:	<ul style="list-style-type: none"> • select and use appropriate repair, maintenance and personal protective equipment for reconditioning band mill wheels • efficiently and safely recondition band mill wheels.

Range of Conditions

Not Applicable

Unit Mapping Information

FPISAW3222B Recondition band mill wheels

Links

Companion Volume implementation guides are found in VETNet -

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