



Australian Government

Assessment Requirements for FWPSAW3240 Assess and maintain band saw wheels

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.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- assessed condition of the band saw wheels
- resurfaced the faces of the band saw wheels to the specified requirements
- re-assembled the band saw components
- set up a band saw blade on the saw to the specific alignment
- tested operational effectiveness of the band saw.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose, features and operation of the band saw wheels
- features and names of different parts of band saws
- purpose, features and operation of tools and equipment used to recondition band saw wheels:
 - resurfacing equipment
 - measuring equipment
- importance of aligning band saw wheels for continued accuracy during band saw operation
- methods for:
 - assessing the condition of band saw wheels
 - resurfacing the faces of the band saw wheels to specified requirements
 - re-assembling band saw components
 - setting up band saw blades on the saw to a specific alignment

- testing operational effectiveness of band saws
- wheel profiles and appropriate tolerances
- range of speeds at which resurfacers can be operated without damaging band saw wheels
- types of risk and hazards and mitigation measures associated with resurfacing band saw wheels
- workplace procedures specific to resurfacing band saw wheels:
 - workplace health and safety, with particular emphasis on equipment lock-out, use of personal protective equipment (PPE) and safe manual handling techniques
 - communication reporting lines
 - recording and reporting of processing and equipment faults
- environmental protection practices for repairing and maintaining equipment in sawmills:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing materials.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a sawmill or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - resurfacing or wheel grinding equipment
 - measuring equipment
 - band saws, including the entire mechanical structure and componentry that make up the machine
 - band wheels to be resurfaced
 - PPE suitable for reconditioning band saw wheels
- specifications:
 - manufacturer instructions for use, repair and maintenance of equipment
 - work order with specific instructions for resurfacing band saw wheels in specified equipment
 - template documents for recording processing and equipment faults
 - workplace procedures for reconditioning band saw wheels.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>