



Australian Government

Assessment Requirements for FWPSAW3235 Recondition saw guides

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 saw guide
- machined saw guide
- adjusted saw guide
- safely stored guides for use.

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 band saws for which guides are reconditioned
- features and names of different parts of guides and carriers
- purpose, features and operation of tools and equipment used to recondition guides and spacers:
 - grinding equipment
 - metal lathes
 - milling machines
 - router and jig
- importance of reconditioning worn guides and spacers to the specified profile for continued straight and smooth running of saw blades
- methods for:
 - assessing the condition of guides
 - grinding guide surface to restore it to a smooth flat surface using grinding equipment

- machining guide surface to restore it to a smooth flat surface using metal lathes or milling machines
- basic knowledge of physics of sawing:
 - saw blade material and properties
 - impact of timber properties on saw blades
 - direction of cut
 - forces on a blade
 - heat removal
- angles at which guides are ground or are machined (geometry)
- range of speeds at which grinders and machines can be operated without damaging guides and spacers
- types of risk and hazards and mitigation measures associated with reconditioning guides
- workplace policies and procedures specific to reconditioning guides:
 - 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 tools and 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:
 - one or more of the following tools and equipment used to recondition guides: grinding equipment, metal lathe, milling machines and router and jig
 - band saws with guides to be reconditioned
 - replacement guides
 - PPE suitable for reconditioning guides
- specifications:
 - template documents for recording processing and equipment faults
 - manufacturer instructions for use, repair and maintenance of equipment
 - work order with specific instructions for reconditioning guides in specified equipment
 - workplace procedures for reconditioning guides.

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>