



Australian Government

Assessment Requirements for FWPSAW3252 Assemble, operate and dismantle a portable sawmill

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Performance Evidence

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

There must be evidence that the individual has:

- selected an appropriate site and assembled one portable sawmill following workplace procedures
- selected logs and operated one portable sawmill for one production period to produce green timber boards according to a work order
- performed routine operator maintenance on one portable sawmill at the completion of a production period
- disassembled and prepared one portable sawmill for transportation.

In performing each of these tasks, the individual has:

- followed workplace operating and health and safety procedures, including use of personal protective equipment (PPE), equipment lock-out and safe manual handling
- identified and controlled hazards associated with the work task
- followed workplace environmental protection practices and/or procedures.

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:

- features and safe use of portable sawmills and other equipment, including:
 - cant hooks
 - winches
 - log rollers
 - mechanical lifting equipment
- appropriate locations for portable sawmills to optimise efficient and safe workflow

- pre-start-up checks for portable sawmills, including:
 - ensuring that saw has been set up correctly
 - ensuring that blades are installed accurately
 - ensuring that machinery is operating to optimum performance
- optimisation of log sawing, including:
 - planning the cutting of a log to achieve the most from it (most and widest boards possible)
 - ensuring environmental protection requirements and practices are central to this planning process
- characteristics of logs for sawing, including:
 - diameter range
 - curvature
 - faults
 - species
 - moisture content
- log sawing processes, feed rates and finish
- blade condition assessment
- log defects, including:
 - defects arising from a change in moisture content
 - warp
 - wane
 - curvature
 - shakes
 - insect defects
 - knots and resin pockets
 - sweep
 - taper
 - end splits
 - shape
- non-specialist maintenance for portable sawmills, including:
 - cleaning machine of wood chips and sawdust
 - replacing blunt and damaged saw blades
 - inspecting machine parts for wear or damage, including guards
 - greasing and lubricating moving parts
 - checking operation of emergency stop buttons and lock-out systems
- workplace procedures for assembling, operating and disassembling a portable sawmill, including:
 - health and safety, including use of PPE, equipment lock-out and safe manual handling
 - portable sawmill operation
 - communication reporting lines

- recording and reporting processing and equipment faults
- hazards and associated risks with assembling, operating and dismantling a portable sawmill
- workplace environmental protection requirements and procedures for safe disposal of waste material and cleaning of plant, tools and equipment.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest or timber processing workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - portable sawmill
 - tools and equipment required for assembling, operating and dismantling a portable sawmill
 - PPE suitable for assembling, operating and dismantling a portable sawmill
 - quantities of logs
- specifications:
 - work order or instruction detailing activities to be carried out
 - workplace health and safety and environmental protection policies and/or procedures applicable to assembling, operating and dismantling a portable sawmill
 - workplace procedures for assembling, operating and dismantling a portable sawmill.

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>