Assessment Requirements for FWPCOT3279 Assess and maintain saw technology tools

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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:

- assessed the condition of and maintained each of the following saw technology tools:
  - straight edges
  - hammers
  - measuring equipment
  - back gauges
  - tension gauges
- in doing the above job:
  - read and clarified a work order for assessing the condition and maintaining saw technology tools
  - followed work order and relevant workplace health and safety and environmental protection procedures
  - prepared for maintenance activities
  - maintained a straight edge
  - maintained a tension gauge
  - ground and resurfaced a hammer
  - maintained measuring equipment
  - maintained back gauge
  - completed workplace reports on maintenance activities.

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 tools and equipment used to maintain saw technology tools:
  - grinding machines
  - grinding machine attachments
  - abrasive grinding wheels
- types, purpose, features and use of:
  - straight edges
  - hammers including doghead, twist face, cross face, combination
  - measuring equipment including micrometers, vernier callipers, feeler gauge, pressure gauge, setting gauge
  - back gauges
  - tension gauges
- methods for:
  - assessing condition of straight edges and tension gauges
  - selecting appropriate grinding wheels
  - selecting and preparing appropriate straight edge/tension gauge material
  - maintaining straight edges, back gauges and tension gauges to specified requirements
  - maintaining measuring equipment
  - grinding and resurfacing hammers
- angles at which straight edges and tension gauges are ground
- range of speeds at which abrasive wheels can be operated without damaging materials being processed
- types of risk and hazards and mitigation measures associated with maintaining saw technology tools
- workplace procedures specific to maintaining saw technology tools:
  - workplace health and safety, with particular emphasis on equipment lock-out, use of personal protective equipment (PPE) and safe manual handling
  - communication reporting lines
  - recording and reporting processing problems and equipment faults
- environmental protection practices for repairing and maintaining saw technology tools:
  - 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 saw technician workshop, a sawmill or an environment that accurately represents workplace conditions
- resources, equipment and materials:

- grinding machines
- grinding machine attachments
- abrasive grinding wheels with suitable characteristics
- hand files
- oil stones
- straight edges, back gauges, hammers, measuring equipment and tension gauges
- PPE suitable for repairing and maintaining saw technology tools
- specifications:
  - template documents for recording maintenance activities
  - manufacturer instructions for use, repair and maintenance of equipment
  - work order with specific instructions for maintaining saw technology tools
  - organisational procedures for maintaining saw technology tools.

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