



Australian Government

Assessment Requirements for FWPSAW3219 Replace stellite tips

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPISAW3219B Replace stellite tips, 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. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- follow organisational policies and procedures relevant to replacing stellite tips
- replace stellite tips in line with the work order and within prescribed organisational requirements
- remove and replace stellite tips from equipment including:
 - braze new stellite tips onto the tooth face or tooth seat
 - replace tips that are broken, missing or worn out
 - rebuild broken or damaged tips
- remove and assess condition of stellite tips in line with standard operating procedures

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- purpose, features and operation of saws for which stellite tips are replaced:
 - band saws
 - circular saws
 - gang saws
- features and names of different parts of saw blades
- purpose, features and operation of tools and equipment used to replace stellite tips:
 - automatic or semi-automatic tipping machines
 - brazing equipment and brazing material

- brazing jigs
- methods for:
 - removing saw blades from sawing equipment
 - assessing saw blade condition
 - removing stellite tips from saw blades
 - brazing new stellite tips onto the tooth face or gullet
- annealing processes and temperatures for stellite tips and saw blades
- appropriate tolerances for weld deposits and replacement tip sizes
- characteristics of metal used in saw blades and effects of brazing
- organisational policies and procedures specific to replacing stellite tips:
 - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
 - communication reporting lines
 - recording and reporting processing and equipment faults
- environmental protection practices for repairing and maintaining tools and equipment in forest products factory settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing materials

Assessment Conditions

The following resources must be made available:

- tools and equipment used to replace stellite tips:
 - automatic or semi-automatic tipping machines
 - brazing equipment
 - brazing jigs
- one or more of the following types of saws to be repaired and maintained:
 - band saws
 - circular saws
 - gang saws
- stellite tips
- brazing material:
 - stellite rod
 - silver brazing rod
 - shim or ribbon
 - brazing flux
- personal protective equipment suitable for replacing stellite tips
- manufacturers' instructions for use, repair and maintenance of equipment
- work order for repair and maintenance activities with specific instructions for replacing stellite tips in specified equipment

- documents, spreadsheets and commonly used proformas for recording processing and equipment faults
- relevant personnel for the purposes of communicating information
- organisational policies and procedures for replacing stellite tips.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

Links

Companion Volume implementation guides are found in VETNet -

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