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| Title | Set up, operate and troubleshoot a tissue log saw | | |
| Level | 4 | Credits | 8 |

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| Purpose | People credited with this unit standard are able to: demonstrate knowledge of the operation of a tissue log saw; set up and operate a tissue log saw; and identify and troubleshoot log saw issues and take corrective actions. |
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| Classification | Wood Fibre Manufacturing > Tissue Converting |
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| Available grade | Achieved |
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Guidance Information

1 Legislation and references

Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:

- Health and Safety at Work Act 2015
- Resource Management Act 1991.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

2 Definitions

Set up refers to the replacement of parts, adjustment of the position of components, calibration of clamps, and change of computerized parameters.

Troubleshooting refers to the evaluation of the log saw performance and programmable or mechanical corrective adjustments made.

Worksite policies and procedures refer to documented policies and to documented or other directions provided to staff. These include but are not limited to – ways of managing health and safety, environmental considerations, quality, and production, and must conform to legislation. Examples include – standard operating procedures, company health and safety plans, on-site briefings, and supervisor's instructions.

3 Range

This unit standard must be assessed with an industrial hard wound roll tissue log saw with a rotating log clamping system.

4 Assessment information

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, worksite policies and procedures and legislative requirements. This includes the knowledge and use of worksite specific equipment, procedures, and practices.

This unit standard may be assessed in the workplace using naturally occurring evidence or in a simulated environment that demands performance equivalent to that required in the workplace. All activities and evidence must be in accordance with worksite policies and procedures.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the operation of a tissue log saw.

Performance criteria

1.1 The operational capabilities of a log saw are explained.

1.2 The purpose of the operating components of a log saw is explained.

Range operating components may include but are not limited to – electronic systems, rotating clamping head, guides, clamp shoes, cutting blade, mandrels, pusher plates, elevator log lift table, discharge belts, log delivery chains, log kicker, computer control system, grind-stones.

1.3 Hazards associated with operation and set up of a log saw are and the role of relevant protective equipment and safety features are explained.

Range hazards may include but are not limited to – in running nips, moving parts, automated processes, sharp edges, hot machine parts, chemicals, noise, compressed air, pressurised fluids. evidence of a minimum of five is required, safety features may include but are not limited to – energy isolation procedures, lockouts, emergency stops, guards.

1.4 Product quality criteria are explained.

Range product quality criteria includes but is not limited to – product specifications, workplace quality standards, quality check systems.

Outcome 2

Set up and operate a tissue log saw.

Performance criteria

2.1 Safe work practices associated with setting up and operating a tissue log saw are demonstrated.

Range practices may include but are not limited to – energy isolation procedures, lock outs, emergency stops, machine guarding, wearing of appropriate safety equipment.

2.2 The log saw is set up.

Range set up may include but is not limited to – electronic systems, clamp shoes, guides, blade, log kicker, computer control system, grindstones, sensors, pusher plates, mandrels, log saw controls.

2.3 The log saw is operated to meet worksite productivity and quality requirements, and shutdown.

Range guards, manufacturer's specifications, operating speed, settings stated in operating specifications.

2.4 The log saw is lubricated.

2.5 Damage of plant components and machine faults are identified through inspection and corrective action is taken.

2.5 Tools and changeout components are stored.

2.6 The log saw and work area are cleaned.

2.7 Waste material is minimised and recycled.

Outcome 3

Identify and troubleshoot log saw issues and take corrective actions.

Performance criteria

3.1 Log saw performance is monitored, and issues and their potential causes are identified.

3.2 Corrective actions are identified and implemented.

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| Planned review date | 31 December 2028 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|--------------|--------------------------|
| Registration | 1 | 21 July 2011 | 31 December 2025 |
| Review | 2 | 29 June 2023 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 0013 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.