

Title	Demonstrate knowledge of and apply safe wheeled loader handling techniques in the wood manufacturing industry		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: demonstrate knowledge of wheeled loaders; complete pre-operational checks on wheeled loaders; and apply safe wheeled loader handling techniques.
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Classification	Wood Handling and Distribution > Wood Preparation
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Available grade	Achieved
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Prerequisites	Candidates must hold valid New Zealand driver licence(s) and licence endorsement(s) appropriate to the mobile machinery driven.
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Guidance Information

- 1 Legislation
Health and Safety at Work Act 2015.
Resource Management Act 1991.
- 2 Definitions
Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wider wood handling and distribution industry as examples of best practice.
Wood manufacturing refers to solid wood, pulp and paper, wood panels, or wood product manufacturing.
Workplace procedures refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor’s instructions, and procedures to comply with legislative and local body requirements relevant to the wood handling and distribution sector.
- 3 Assessment information
All activities and evidence must meet workplace procedures and accepted industry practice.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of wheeled loaders.

Performance criteria

1.1 Wheeled loaders available at the workplace are identified and described in terms of their types and components.

Range types may include but are not limited to – four-wheel drive, rubber tyred, articulated frame;
components may include but are not limited to – operator compartment, engine compartment, tilt and lift arms, bucket, pivot link, pre-cleaner, wheels and tyres, hydraulic components, transmissions, operator guards, grab handles, fire extinguisher, first aid kit.

1.2 Operating parameters of wheeled loaders in use at the candidate's workplace are identified and related to the movement of wheeled loaders.

Range loaded and unloaded stability, load capacity.

Outcome 2

Complete pre-operational checks on wheeled loaders.

Performance criteria

2.1 Wheeled loaders are checked, and any defects are recorded and reported.

Range may include but is not limited to operating controls, gauges, lights, horn, load backrest, hydraulic hoses and cylinders, carriage, forks, wheel nuts, tyres, load plate, replenishment points, fuels, oils.

2.2 Safety requirements while completing pre-operational checks are complied with.

2.3 Loader operational limitations are described.

Outcome 3

Apply safe wheeled loader handling techniques.

Performance criteria

3.1 Wheeled loader is mounted and dismounted.

Range may include but is not limited to – use of steps, handrails, and grab irons, three-point stability, lights.

3.2 Faults and mechanical issues are recorded and reported.

3.3 Start up and shutdown procedures are followed.

Range start up may include but is not limited to – visibility, restraints, parking brake, range shift, throttle position, hydraulic controls, warm engine, check controls and gauges;
 shut down may include but is not limited to – position of arms and bucket, control levers, transmission controls, idling, stop engine.

3.4 Wheeled loader is parked correctly.

Range stopping, braking, locking, securing.

3.5 Wheeled loader is manoeuvred, and operations are completed.

Range safety procedures – travelling, fire prevention, accident prevention, proximity of people;
 operation – load handling, truck loading, load carrying.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 February 1999	31 December 2020
Review	2	18 December 2006	N/A
Review	3	28 May 2020	N/A

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 Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.