

Title	Operate a wheeled loader on infrastructure worksites		
Level	3	Credits	20

Purpose	People credited with this unit standard are able to: describe wheeled loaders; prepare for loader operations; manoeuvre and control a wheeled loader on site; carry out work operations using a wheeled loader and complete post-operational procedures for a wheeled loader.
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Classification	Infrastructure Works > Civil Plant Operation
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Available grade	Achieved
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Prerequisites	Class of driver licence and any driver licence endorsement appropriate for the vehicle being driven.
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with relevant legislative and industry requirements.
- 2 Legislation relevant to this unit standard includes:
 - Health and Safety at Work Act 2015;
 - Traffic Regulations 1976;
 - Land Transport Rule: Vehicle Dimensions and Mass 2016;
 - Land Transport Rule: Heavy Vehicles 2004; available from www.nzta.govt.nz;
 - and all subsequent amendments and replacements.
- 3 Definition

Industry requirements refer to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents. Waka Kotahi New Zealand Transport Agency specifications and guidelines.

Outcomes and performance criteria

Outcome 1

Describe wheeled loaders.

Performance criteria

- 1.1 Wheeled loaders and their attachments and controls are described in terms of purpose and function, and correct operation.
- 1.2 Types and weights of wheeled loader are described in terms of their capabilities and limitations, and suitability for specific infrastructure works tasks.
- 1.3 Wheeled loaders are described in terms of their safety features and requirements for safe use.

Outcome 2

Prepare for loader operations.

Performance criteria

- 2.1 Job instructions for loader operations are confirmed.
- 2.2 Pre-start check of machine and 360 walkaround are carried out prior to starting work, and any required action is taken.

Range machine operation, damage, wear and tear.
- 2.3 A risk assessment for the site and machine is carried out, and any identified hazards are eliminated or minimised.
- 2.4 Site communication protocols are confirmed.

Outcome 3

Manoeuvre and control a wheeled loader on site.

Performance criteria

- 3.1 Loader is manoeuvred on site with adequate clearances.

Range working clearances include – overhead wires, underground services, proximity of people and plant, trenching works.
- 3.2 Loader is controlled on slopes.
- 3.3 Loader is manoeuvred with smoothness of movement and machine stability.
- 3.4 Loader is controlled in wet site conditions.
- 3.5 When manoeuvring loader, structures and settings are preserved.
- 3.6 Machine production is maintained at maximum usage relative to the task and the safety of the operator and machine.

Range lead times, travel speeds, haul distances.

- 3.7 Materials are carried in safe load position and with operator showing awareness of the operating environment, including when reversing.

Outcome 4

Carry out work operations using a wheeled loader.

Performance criteria

- 4.1 Work sequence is followed, and work is achieved in the allotted time and in accordance with job instructions.
- 4.2 Materials are loaded and/or spread with minimal spillage in accordance with job instructions.

Outcome 5

Complete post-operational procedures for a wheeled loader.

Performance criteria

- 5.1 Loader is parked, shut down safely, and secured, and daily maintenance is carried out.
- 5.2 Loader is inspected, and any faults are reported.

Replacement information	This unit standard replaced unit standard 6458.
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Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 May 2000	31 December 2014
Review	2	25 September 2006	31 December 2016
Review	3	19 February 2015	31 December 2021
Review	4	27 September 2018	31 December 2023
Review	5	30 September 2021	N/A

Consent and Moderation Requirements (CMR) reference	0101
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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 Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.