

<b>Title</b>	<b>Demonstrate knowledge of earth compacting machine systems, and describe their maintenance and fault diagnosis</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of earth compacting machine systems; and describe the maintenance and fault diagnosis of earth compacting machine systems.
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<b>Classification</b>	Motor Industry > Automotive Preventive Maintenance
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<b>Available grade</b>	Achieved
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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 applicable service information, and company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of the Health and Safety at Work Act 2015; and any subsequent amendments and replacements.
- 3 Definitions  
*Company requirements* refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.  
*Service information* may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.
- 4 This unit standard relates to compacting machine systems with weights of 400kg or less only. Earth compacting machines include vibrating and ramming types.

### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of earth compacting machines.

#### Performance criteria

- 1.1 Types of earth compacting machines are described.

1.2 Components of earth compacting machines are identified.

1.3 Operation of earth compacting machines is described.

## Outcome 2

Describe the maintenance of earth compacting systems.

### Performance criteria

2.1 Maintenance of earth compacting systems is described.

## Outcome 3

Describe fault diagnosis of earth compacting machine systems.

### Performance criteria

3.1 Methods of diagnosing earth compacting machine system faults are described.

<b>Replacement information</b>	This unit standard was replaced by skill standard 40480.
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 August 2019	31 December 2027
Review	2	27 March 2025	31 December 2027

<b>Consent and Moderation Requirements (CMR) reference</b>	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.