

<b>Title</b>	<b>Inspect and repair heavy vehicle and equipment disc brakes</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to inspect and repair heavy vehicle and equipment disc brakes.
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<b>Classification</b>	Motor Industry > Vehicle Braking Systems
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 It is recommended that people hold credit for Unit 24422, *Demonstrate knowledge of heavy vehicle and equipment disc brakes* before being assessed against this unit standard.
- 2 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.
- 3 Performance of the outcomes of this unit standard must comply with the following:  
Health and Safety at Work Act 2015;  
Land Transport Rule: Heavy Vehicle Brakes 2006;  
Land Transport Rule: Heavy Vehicles 2004;  
Land Transport Rule: Vehicle Repair 1998;  
Land Transport Rule: Vehicle Standards Compliance 2002.
- 4 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.
- 5 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.  
*Heavy Vehicle* refers to classes MD3, MD4, ME, NB, TC and TD as specified in the Vehicle equipment standards classifications at <https://www.nzta.govt.nz/vehicles/vehicle-types/vehicle-classes-and-standards/vehicle-classes/>; or has a gross vehicle mass that exceeds 3500kg and is not of a class specified in the Vehicle equipment standards classifications.  
*Service information* refers to information such as technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

*Suitable tools and equipment* refer to industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

## 6 Range

This unit standard includes a minimum of one of the following disc braking systems – rotor calliper type, single wet or dry type, multi-plate wet or dry type.

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## Outcomes and performance criteria

### Outcome 1

Inspect heavy vehicle and equipment disc brakes.

#### Performance criteria

1.1 The disc brake system is visually inspected.

1.2 Brake components are inspected for condition.

Range may include – calliper, brake activator, pads, plate linings, rotor, friction plates, guides and splines, housing assembly.

1.3 Brake components are removed.

1.4 Activating mechanisms are inspected.

### Outcome 2

Repair heavy vehicle and equipment disc brakes.

#### Performance criteria

2.1 Activating mechanisms are repaired or replaced.

2.2 Disc brake components are repaired or replaced and reassembled.

2.3 The operation of the system is checked, and any adjustments and repairs carried out.

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<b>Replacement information</b>	This unit standard and unit standard 24422 replaced unit standard 15480.
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<b>Planned review date</b>	31 December 2025
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	25 January 2008	31 December 2022
Review	2	29 July 2021	N/A

**Consent and Moderation Requirements (CMR) reference**

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.