

Title	Carry out general service checks on heavy vehicles or equipment		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to carry out general service checks on heavy vehicles or equipment.
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Classification	Motor Industry > Automotive Preventive Maintenance
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Available grade	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 Performance of the outcomes of this unit standard must comply with the following: Health and Safety at Work Act 2015.
- 3 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.
- 4 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.
- 5 Range

This unit standard includes a minimum of any two heavy vehicles or equipment.

- 6 For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.
- 7 Service requirements and preventive maintenance programmes vary in the intervals when fluid and filter changes take place; therefore, while servicing procedures in performance criteria 1.5 and 1.9 may not be done at the same time as other maintenance procedures, they must be performed on the same or equivalent vehicle or machine.

Outcomes and performance criteria

Outcome 1

Carry out general service checks on heavy vehicles or equipment.

Performance criteria

- 1.1 The level and extent of service required is determined from manufacturer service schedules or company requirements.
- 1.2 The engine is started and run until its normal operating temperature is reached.
- 1.3 The engine is checked for operating faults.
- Range may include – fuel leaks, coolant leaks, oil pressure, manifold pressure, coolant temperature.
- 1.4 The vehicle or equipment is tested for operation, and any faults found are recorded and reported.
- 1.5 Where instructed by the vehicle or equipment manufacturer, an oil sample is taken following the manufacturer or test equipment instructions. The event is recorded, and the sample despatched for testing as determined by the supervisor.
- 1.6 All oil and filter changes, and lubricating requirements are completed, using lubricants and parts that meet manufacturer specifications.
- 1.7 The cooling system is checked for serviceability and any faulty components found are replaced.
- Range includes but is not limited to – coolant level, inhibitor strength, radiator, hoses, pipes and joints, expansion tank.
- 1.8 The fuel system is checked for fuel level, leaks, and contamination.
- 1.9 The fuel filter(s) is replaced with approved replacement parts, and the system bled.
- 1.10 All preventive maintenance programme items are completed and adhere to manufacturer specifications.

- 1.11 Vehicle or equipment operation is checked to confirm all service checks have been completed.
- 1.12 The service report is completed and forwarded to the supervisor or customer.

Planned review date	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	28 September 1994	31 December 2022
Review	2	21 February 1999	31 December 2022
Review	3	20 March 2008	31 December 2022
Review	4	29 April 2021	N/A
Revision	5	16 December 2021	N/A

Consent and Moderation Requirements (CMR) reference	0014
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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.