

Title	Identify and inspect damage on a heavy vehicle or heavy trailer combination		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to identify and inspect damage on a heavy vehicle or heavy trailer combination.
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Classification	Motor Industry > Vehicle Steering and Suspension
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Available grade	Achieved
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Guidance Information

- 1 It is recommended that people hold credit for Unit 31934, *Demonstrate knowledge of heavy vehicle and trailer wheel and chassis alignment procedures*, 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, company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 3 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 or replacements.
- 4 Definitions

Company requirements refers 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 may include – a motor vehicle that is of Class MD3, MD4, ME, NB, NC, TC or TD; or has a gross vehicle mass that exceeds 3500 kg and is not of a class specified in the Table of vehicle classes as listed from New Zealand Transport Agency website <https://www.nzta.govt.nz/vehicles/vehicle-types/vehicle-classes-and-standards/vehicle-classes/>.

Machines may include – forklifts, earth-moving equipment, grader equipment, loaders, dozers, tractors, agricultural equipment, dump trucks, prime movers; electric machines, including – forklift, walk-behind pallet, ride-on pallet, reach truck, order picker, counterbalance truck, turret truck.

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.

5 Assessment

For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.

Outcomes and performance criteria

Outcome 1

Identify and inspect damage on a heavy vehicle or heavy trailer combination.

Performance criteria

1.1 Vehicle or trailer details are obtained.

Range may include – engine, chassis, model numbers, Vehicle Identification Number.

1.2 Any areas of impact are identified, inspected and recorded.

1.3 Misaligned or damaged mechanical components are identified, inspected and recorded.

Range may include – steering, suspension, power train, axles, wheels, engine mounting and components, cab, cab mounting and suspension, fuel tank and fittings, braking system components, exhaust system.

1.4 Misaligned or damaged structural members are identified, inspected and recorded.

Range may include – turntable(s) and their mounting, tow coupling, drawbeam, intervehicle spacing, combined axle sets, crossmembers, rivets, welds, tray, anchoring points, chassis; mash damage, diamond damage, twist, sag.

1.5 Damaged parts that would prevent a wheel alignment from being carried out are identified, inspected and recorded.

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	28 November 2019	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 MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.