

<b>Title</b>	<b>Inspect, service and repair a boat trailer</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to inspect and advise on boat trailer performance, demonstrate knowledge of boat trailer servicing requirements, and service and repair boat trailer components.
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<b>Classification</b>	Motor Industry > Trailer Boat Systems
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 All work practices must meet recognised codes of practice and workplace policies and procedures (where these exceed code) for personal, product, and workplace health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015, Health and Safety in Employment Regulations 1995, and NZTA Light trailers requirements, available at [www.nzta.govt.nz](http://www.nzta.govt.nz), and any subsequent amendments.
- 2 **Definition**  
*Workplace policies and procedures* refers to the documented procedures and policies providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety requirements to manage risk in the workplace.

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### Outcomes and performance criteria

#### Outcome 1

Inspect and advise on boat trailer performance.

#### Performance criteria

- 1.1 Boat and trailer are inspected to determine safe loading and transportation.  
  
Range operation of winch, guides and rollers, boat security, roadworthiness.
- 1.2 A report on boat trailer performance is made in accordance with workplace policies and procedures.

## Outcome 2

Demonstrate knowledge of boat trailer servicing requirements.

### Performance criteria

- 2.1 Boat trailer design considerations and requirements are identified.
- Range considerations may include – tilt and fixed boom, balance, requirements may include – loading requirements, towability, corrosion protection, security of fixtures, restraints, warrant of fitness requirements, tyres, suspension systems.
- 2.2 Wheel bearing and hub servicing requirements are identified.
- Range checking bearing and hub condition, renewing bearings and seals, lubrication, adjustment procedures.
- 2.3 Wiring requirements and electrical fittings are identified.
- Range protection of wiring, routing, types of lamps.
- 2.4 The operation and servicing requirements of light trailer brakes are described according to brake manufacturer's specifications.
- Range hydraulic, mechanical.
- 2.5 Types of couplings and ball sizes are identified in accordance with NZ Standard 5232.
- 2.6 Corrosion protection of trailer parts is described according to manufacturer's specifications.
- Range brakes, wheel bearings and seals.
- 2.7 Servicing requirements for winches, rollers, and guides are identified.

## Outcome 3

Service and repair a boat trailer.

### Performance criteria

- 3.1 Service and repair requirements are determined in accordance with customers' requests.
- 3.2 Trailer components are inspected to ensure that the trailer complies with the NZTA Light trailer requirements, and faults are recorded.
- 3.3 Servicing work is carried out in accordance with customers and regulatory requirements.

- 3.4 Trailer components are repaired to NZTA Light trailer requirements.
- 3.5 Report is completed in accordance with workplace policies and procedures.

<b>Planned review date</b>	31 December 2023
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0136
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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 the NZ Marine and Composites Industry Training Organisation [training@nzmarine.com](mailto:training@nzmarine.com) if you wish to suggest changes to the content of this unit standard.