

Title	Describe and install boat tankage systems		
Level	3	Credits	6

Purpose	People credited with this unit standard are able to: describe boat tank types according to the fluid stored and construction materials; describe boat tank components, penetrations, and connections; and install tanks in boats.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 All work practices must meet recognised codes of practice and documented worksite health and safety procedures (where these exceed code) for personal, product, and worksite health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015, Resource Management Act 1991, Hazardous Substances and New Organism Amendment Act 2015, and any subsequent amendments.
- 2 Definition
Job specifications refer to the standard requirements of the job being undertaken.
- 3 Refer to ISO 10088:2013 *Small craft – Permanently installed fuel systems* for requirements for the design, materials, construction, installation, and testing of permanently installed fuel systems for internal combustion engines (diesel and petrol) and available at <http://www.iso.org>.
- 4 This unit standard does not assess tank design in detail or tank piping.

Outcomes and performance criteria

Outcome 1

Describe boat tank types according to the fluid stored and construction materials.

Range evidence of three different fluid types is required;
evidence of three construction materials is required.

Performance criteria

- 1.1 Boat tank types are described in relation to the fluid stored and the tank construction materials.

Outcome 2

Describe boat tank components, penetrations, and connections.

Range evidence of three tank components is required
evidence of three connections with penetrations is required.

Performance criteria

2.1 Tank components, penetrations, and connections are described in terms of their use.

Outcome 3

Install tanks in boats.

Range tanks may include – externally fabricated metal tanks, integral built-in tanks, bladder tank, rotationally moulded or injection moulded plastic tank;
evidence of two different tank types is required.

Performance criteria

3.1 Specified installation parameters are determined prior to installation.

Range parameters include – fluid type, pre-installation testing, location, mounting, securement, connection clearance.

3.2 Tanks are installed in accordance with the pre-determined installation parameters and job specifications.

3.3 Installed tanks are checked, and remedial action is taken if required to ensure job specifications are met.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	14 December 2007	31 December 2017
Review	2	19 January 2017	31 December 2023
Review	3	26 August 2021	N/A

Consent and Moderation Requirements (CMR) reference	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 ITO training@nzmarine.com if you wish to suggest changes to the content of this unit standard.