

<b>Title</b>	<b>Describe alternative fuels used in the marine industry</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 describe alternative fuels used in the marine industry.
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<b>Classification</b>	Boating Industries > Boatbuilding
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation, regulations, references and/or industry standards relevant to this unit standard include but are not limited to the:

- [Health and Safety at Work Act 2015](#)
- [Resource Management Act 1991](#)

Any new, amended or replacement Acts, regulations, rules, 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.

- 2 Definitions

*Workplace policies and procedures* refer to the documented procedures and policies providing guidelines for the tasks and activities carried out in the workplace. This typically includes relevant health and safety policies to manage hazards and/or risks in the workplace.

*Alternative fuels* refer to non-conventional fuel sources that serve as substitutes for traditional marine fuels. It does not include wind, electricity, petroleum, manpower.

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### Outcomes and performance criteria

#### Outcome 1

Describe alternative fuels used in the marine industry.

#### Performance criteria

- 1.1 Alternative fuels used in marine environments are described in terms of their composition, properties and application.

Range includes but is not limited to – hydrogen, propane, biofuel

- 1.2 Marine engine compatibility with alternative fuels are described in terms of engine type and operational considerations.

- 1.3 Advantages and disadvantages of alternative fuels used in marine applications are described.
- 1.4 Storage requirements for alternative fuels are described in accordance with workplace policies and procedures.

Range          lifespan of fuel.

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<b>Planned review date</b>	31 December 2030
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	26 June 2025	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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.