

<b>Title</b>	<b>Demonstrate knowledge of a marine diesel fuel system</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of diesel fuel, and a marine diesel fuel system.
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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

None.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of diesel fuel.

#### Performance criteria

1.1 The physical and chemical properties of diesel are described.

Range properties may include – viscosity, flashpoint, self-ignition temperature, ignition qualities, sulphur content, cloud point, effects of contamination, energy content.

#### Outcome 2

Demonstrate knowledge of a marine diesel fuel system.

#### Performance criteria

2.1 A marine diesel fuel system is described in terms of component location, fuel flow path, fuel feed, and return line.

Range components may include – primary filter, secondary filter, lift pump, injection pump, injectors, fuel tank.

2.2 Components are described in terms of their purpose.

Range primary filter, secondary filter, lift pump, injection pump, injectors, fuel tank.

2.3 Construction and function of types of injectors are described.

Range injector types may include – unit, pencil, pintle, multi-hole, rail fuel.

<b>Planned review date</b>	31 December 2022
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#### Status information and last date for assessment for superseded versions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 2017	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.