

<b>Title</b>	<b>Demonstrate knowledge of marine hydraulic transmission</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of marine hydraulic transmission operation, and explain marine hydraulic transmission installation and servicing procedures.
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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

#### Definition

*Service information* refers to technical information of a boat or product detailing: operation; installation and servicing procedures; manufacturer instructions and specifications; technical terms and descriptions; and illustrations.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of marine hydraulic transmission operation.

#### Performance criteria

1.1 Transmission components are explained in terms of purpose and functions.

Range transmission components include – hydraulic pump, selector valve, regulating valve, clutch assemblies, heat exchanger.

1.2 Power flow through a transmission is plotted in accordance with service information.

#### Outcome 2

Explain marine hydraulic transmission installation and servicing procedures.

#### Performance criteria

2.1 Procedures to install and align a transmission to the engine are explained in accordance with service information.

2.2 Servicing procedures are explained in accordance with service information.

Range servicing procedures include – adjustments, oil change, testing minor repairs.

<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#### Status information and last date for assessment for superseded versions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	23 February 1999	31 December 2018
Revision	2	16 April 2003	31 December 2018
Review	3	21 September 2007	31 December 2018
Review	4	28 September 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.