

<b>Title</b>	<b>Clean a hydraulic power system for service</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to prepare a hydraulic power system for cleaning, and clean a hydraulic power system for service.
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<b>Classification</b>	Mechanical Engineering > Fluid Power - Hydraulics
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<b>Available grade</b>	Achieved
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<b>Prerequisite</b>	Unit 20597, <i>Shut down for maintenance, and start up, a hydraulic power system</i> , or demonstrate equivalent knowledge and skills.
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## Guidance Information

### 1 References

Health and Safety at Work Act 2015;  
Resource Management Act 1991.

### 2 Definitions

*Accepted industry practice* – approved codes of practice and standardised procedures accepted by the wider mechanical engineering industry sectors as examples of best practice.

*PPE* – refers to personal protective equipment and may include but is not limited to protective clothing, gloves, safety glasses, headwear, footwear, hearing protection, and safety devices.

*Workplace procedures* – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.

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## Outcomes and performance criteria

### Outcome 1

Prepare a hydraulic power system for cleaning.

**Performance criteria**

- 1.1 The importance of system cleanliness is explained in terms of operational efficiency.
- Range internal, external, supplementary equipment.
- 1.2 Cleaning instructions are verified with supervisor and followed.
- 1.3 Tools and equipment are prepared in accordance with the selected system and accepted industry practice.
- Range examples are – containers, blanking flanges, plates and plugs, absorbent materials, hand tools, cleaning equipment and fluids.
- 1.4 System is made safe in accordance with accepted industry practice and confirmed with supervisor.
- Range isolation, depressurisation, PPE.
- 1.5 Working fluid is removed from system and stored, or disposed of, in accordance with legislative requirements and accepted industry practice.

**Outcome 2**

Clean a hydraulic power system for service.

**Performance criteria**

- 2.1 External contamination is removed in accordance with accepted industry practice.
- Range tools, equipment, cleaning materials.
- 2.2 Internal contamination is removed in accordance with accepted industry practice.
- Range tools, equipment, cleaning materials.
- 2.3 Integrity of system and components is maintained.
- 2.4 Cleaning is inspected and confirmed with supervisor as meeting operational requirements.
- 2.5 Waste materials are disposed of in accordance with legislative requirements and accepted industry practice, and workplace procedures where applicable.

<b>Replacement information</b>	This unit standard replaced unit standard 2724.
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<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	25 May 2004	31 December 2014
Review	2	18 March 2011	31 December 2022
Review	3	17 August 2017	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
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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 Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.