

Title	Clean a hydraulic system for service		
Level	2	Credits	4

Purpose	People credited with this unit standard are able to prepare a hydraulic system for cleaning, and clean a hydraulic system for service.
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Classification	Mechanical Engineering > Fluid Power - Hydraulics
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Available grade	Achieved
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Guidance Information

1 Legislation and references

Legislation, regulations 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, 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

Accepted industry practice refers to 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 refers to 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.

3 Recommended skills and knowledge

It is recommended that people hold credits for Unit 20597, *Shut down for maintenance, and start up, a hydraulic system*, or demonstrate equivalent knowledge and skills, before being assessed against this unit standard.

Outcomes and performance criteria

Outcome 1

Prepare a hydraulic 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 may include – 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 system for service.

Performance criteria

- 2.1 External and internal contamination is removed in accordance with accepted industry practice.
- Range tools, equipment, cleaning materials.
- 2.2 Integrity of system and components is maintained.
- 2.3 Cleaning is inspected and confirmed with supervisor as meeting operational requirements.
- 2.4 Waste materials are disposed of in accordance with legislative requirements and accepted industry practice, and workplace procedures where applicable.
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Replacement information	This unit standard replaced unit standard 2724.
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Planned review date	31 December 2027
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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
Review	4	30 March 2023	N/A

Consent and Moderation Requirements (CMR) reference	0014
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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 if you wish to suggest changes to the content of this unit standard.