

Title	Shut down for maintenance, and start up, a hydraulic power system		
Level	2	Credits	4

Purpose	People credited with this unit standard are able to shut down a hydraulic power system for maintenance, and start up a hydraulic power system.
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Classification	Mechanical Engineering > Fluid Power - Hydraulics
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Available grade	Achieved
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Guidance Information

- 1 References
Health and Safety at Work Act 2015.
- 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.
- 3 Recommended for entry
Unit 20611, *Demonstrate knowledge of hydraulic power systems*.

Outcomes and performance criteria

Outcome 1

Shut down a hydraulic power system for maintenance.

Performance criteria

- 1.1 Shut down instructions are verified with supervisor and followed.

1.2 Hydraulic power system is isolated in accordance with accepted industry practice.

Range electrical, mechanical, and potential energy sources.

1.3 Hydraulic power system is depressurised in accordance with accepted industry practice.

Outcome 2

Start up a hydraulic power system.

Performance criteria

2.1 System completeness and start up instructions are verified with supervisor.

2.2 Fluids and levels in the system are checked against operational requirements and adjusted if necessary.

2.3 Accumulator pre-charge pressures are visually checked against accepted industry practice, and workplace procedures where applicable.

2.4 System is re-energised to accepted industry practice, and workplace procedures where applicable.

Range electrical, mechanical, and potential energy.

2.5 System performance is checked to ensure it meets operational requirements.

2.6 Worksite and system is cleaned in accordance with accepted industry practice, and is verified with supervisor.

Replacement information	This unit standard and unit standard 20598 replaced unit standard 2723.
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Planned review date	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

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