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| Title | Overhaul a power steering pump | | |
| Level | 4 | Credits | 2 |

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| Purpose | People credited with this unit standard are able to overhaul a power steering pump. |
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| Classification | Motor Industry > Vehicle Steering and Suspension |
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| Available grade | Achieved |
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Guidance Information

- 1 It is recommended that people hold credit for Unit 24427, *Test, diagnose, and rectify vehicle hydraulic power-assisted steering system faults* before being assessed against this unit standard.
- 2 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, and company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 3 Performance of the outcomes of this unit standard must comply with the following:
Health and Safety at Work Act 2015;
Resource Management Act 1991, s15 Discharge of contaminants into environment;
Land Transport Rule: Steering Systems 2001;
Land Transport Rule: Vehicle Repair 1998;
The Official New Zealand Road Code.
- 4 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.
- 5 Definitions
Company requirements refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.
Service information refers to information such as technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.
Suitable tools and equipment refer to industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

- 6 Range
one of the following types of power steering pump – vane, roller, slipper.

Outcomes and performance criteria

Outcome 1

Overhaul a power steering pump.

Performance criteria

- 1.1 The power steering pump is cleaned externally to prevent the ingress of dirt and foreign matter during disassembly.
- 1.2 The pump is disassembled.
- 1.3 All parts are inspected for wear, and those that are worn beyond manufacturer service limits are replaced.
- 1.4 All parts are inspected for damage, and those that are damaged are replaced.
- 1.5 The pump is assembled and adjusted to specification, using new replacement parts, the specified lubricant, and new seals.
- 1.6 The pump is tested.

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| Replacement information | This unit standard, unit standard 24426, and unit standard 24427 replaced unit standard 901. |
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| Planned review date | 31 December 2025 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|-----------------|--------------------------|
| Registration | 1 | 25 January 2008 | 31 December 2022 |
| Review | 2 | 29 July 2021 | N/A |

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| 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 MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.