

Title	Diagnose and rectify faults in steer axle and linkage systems on a forklift		
Level	4	Credits	3

Purpose	People credited with this unit standard are able to diagnose and rectify faults in steer axle and linkage systems on a forklift.
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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 24438, *Demonstrate knowledge of tractor or machine wheel steering systems and fault diagnosis and repair procedures* 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;
New Zealand Standard NZS/ANSI/ITSDF B56.1:2005 Safety standard for low lift and high lift trucks.
- 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 For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.

Outcomes and performance criteria

Outcome 1

Diagnose faults in steer axle and linkage systems on a forklift.

Performance criteria

1.1 Faults in power assisted steering axle and linkage are diagnosed.

Range visual inspection of components for damage and wear, field testing for operation, leakage and wear.

Outcome 2

Rectify faults in steer axle and linkage systems on a forklift.

Performance criteria

2.1 Minor faults are rectified, and the system adjusted.

Range those faults which do not require extensive dismantling and repair.

2.2 Power assisted axle and linkage steering system faults that require dismantling and repair are rectified.

Range safe work area established, worn parts and seals identified and replaced, damaged parts identified and replaced, adjustments made, hydraulic tests.

2.3 Steering geometry is checked and adjusted.

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

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.