

Title	Diagnose and repair faults in materials handling equipment masts and carriages		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to diagnose and repair faults in materials handling equipment masts and carriages.
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Classification	Motor Industry > Automotive Preventive Maintenance
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Available grade	Achieved
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Guidance Information

- 1 It is recommended that people hold credit for Unit 31273, *Demonstrate knowledge of materials handling equipment masts and carriages* 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, company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 3 Legislation, regulations and industry standards relevant to this unit standard include but are not limited to – the current version of the Health and Safety at Work Act 2015; NZS/ANSI/ITSDF B56.1:2005 *Safety Standard for Low Lift and High Lift Trucks*; and any subsequent amendments or replacements.
- 4 **Definitions**
Company requirements refers 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 may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.
- 5 Machines may include – forklifts, earth-moving equipment, grader equipment, loaders, dozers, tractors, agricultural equipment, dump trucks, prime movers; electric machines, including – forklift, walk-behind pallet, ride-on pallet, reach truck, order picker, counterbalance truck, turret truck.

Outcomes and performance criteria

Outcome 1

Diagnose and repair faults in materials handling equipment masts.

Range faults may include – wear, deformation, cracking, corrosion, clearance between inner and outer mast, clearance between inner mast and finger board, mast support bushing oil groove depth, chain wear, cylinder condition, bearing wear; evidence of diagnosing and repairing four separate masts is required.

Performance criteria

1.1 Mast faults are diagnosed.

1.2 Mast faults are repaired.

Outcome 2

Diagnose and repair faults in materials handling equipment carriages.

Range faults may include – wear, deformation, cracking, corrosion, fork root thickness, chain wear, fork retention, bearing wear, back rest; evidence of diagnosing and repairing two separate carriages is required.

Performance criteria

2.1 Carriage faults are diagnosed.

2.2 Carriage faults are repaired.

Replacement information	This unit standard replaced unit standard 23958.
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Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2018	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.