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| Title | Diagnose and rectify faults in tractor or agricultural machine final drive assemblies | | |
| Level | 4 | Credits | 4 |

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| Purpose | <p>This unit standard is intended for people in the agricultural equipment repair industry.</p> <p>People credited with this unit standard are able to: diagnose tractor or agricultural machine final drive assembly faults and their causes; and rectify tractor or agricultural machine final drive faults.</p> |
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| Classification | Motor Industry > Automotive Transmission Systems |
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| Available grade | Achieved |
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Guidance Information

- 1 It is recommended that people hold credit for Unit 24323, *Demonstrate knowledge of tractor and agricultural machine final drive assemblies* 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;
Land Transport Rule: Steering Systems 2001;
Land Transport Rule: Vehicle Repair 1998.
- 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 tractor or agricultural machine final drive assembly faults and their causes.

Performance criteria

- 1.1 Final drive assembly fault symptoms are verified.

Range may include but is not limited to – obtaining operator's explanation of fault symptoms, field testing to reproduce fault symptoms.

- 1.2 Faults in tractor or agricultural machine final drive assemblies are identified.

Range may include but is not limited to – checking machine operation against manufacturer specifications; visual inspection of components for damage, leakage and wear; checking for abnormal noise; incorrect settings and angles.

Outcome 2

Rectify tractor or agricultural machine final drive faults.

Performance criteria

- 2.1 Tractor or agricultural equipment final drive assembly faults are rectified.

Range may include but is not limited to – standard differential unit, transfer case, drive shaft and universal joints, front axle hub.

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| Replacement information | This unit standard and unit standard 24323 replaced unit standard 5441. |
| Planned review date | 31 December 2025 |

Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|------------------|--------------------------|
| Registration | 1 | 25 February 2008 | 31 December 2022 |
| Review | 2 | 27 May 2021 | N/A |

Consent and Moderation Requirements (CMR) reference

0014

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.