



Australian Government

TLIB2133 Test medium/heavy track vehicle braking system

Release: 1

TLIB2133 Test medium/heavy track vehicle braking system

Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to test the braking system on medium/heavy track vehicle/s in accordance with manufacturer specifications and/or organisational procedures.

It includes planning and preparing for track vehicle brake inspecting and testing, inspecting and testing track vehicle brake operations, and completing documentation.

This unit applies to people involved in testing a track vehicle braking system as part of workplace activities within the rail industry.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Plan and prepare for track vehicle brake inspection and

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Logbooks and other relevant documentation are checked to establish existing identified defects

testing

- 1.2 Hazards are identified, risks are assessed and control measures are implemented
- 1.3 Track vehicle is isolated or secured, in accordance with workplace procedures, to make the work area safe prior to inspection

2 Inspect and test track vehicle brake operation

- 2.1 Tools and equipment required to inspect and test brake equipment are identified and obtained
- 2.2 Visual and acoustic inspections are conducted to identify faults or defects
- 2.3 Brakes are applied and released to ensure track vehicle braking system meets functional specifications
- 2.4 Identified defects and faults are rectified and/or reported in accordance with manufacturer specifications and/or organisational procedures

3 Complete documentation

- 3.1 Required documentation procedures and processes are confirmed
- 3.2 Logbook and other service records on the track vehicle are completed in accordance with organisational procedures
- 3.3 Documentation and records are proofread and processed in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIB2133A Test medium/heavy track vehicle braking system.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>

Assessment Requirements for TLIB2133 Test medium/heavy track vehicle braking system

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- adapting to differences in track vehicles and associated equipment and procedures
- completing test result records in accordance with workplace procedures
- conducting inspections and testing of different types of brakes on medium/heavy track vehicle/s
- conducting brake system test on medium/heavy track vehicles in accordance with operational procedures and manufactures specification
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- implementing correct procedure for testing braking system
- implementing workplace procedures to deal with identified defects and faults
- modifying activities depending on operational contingencies, risk situations and environments
- reading and interpreting relevant instructions, procedures, information and signs.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- hazards that may exist when starting up and shutting down medium/heavy track vehicles and ways of controlling the risks involved
- organisational procedures for conducting brake tests on medium/heavy track vehicles
- problems that may occur when testing brakes on medium/heavy track vehicles and action that can be taken to report or resolve these problems
- relevant rail industry standards
- relevant rail safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- types of brake system tests and their purpose.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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Assessment must occur in workplace operational situations or, where this is not available, in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, rail industry standards, codes of practice and operation manuals.
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Links

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