



Australian Government

TLIB4080 Identify, diagnose and rectify minor faults on motive power units and rolling stock

Release: 1

TLIB4080 Identify, diagnose and rectify minor faults on motive power units and rolling stock

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 identify, diagnose and rectify minor faults on motive power units and rolling stock in accordance with workplace requirements.

This includes identifying repair requirements, conducting minor repairs, checking and reporting minor repairs.

Work must be carried out in accordance with organisational procedures and regulations, and safeworking codes of practice relevant to fault diagnosis and rectification.

Work involves the application of routine minor fault diagnosis and rectification procedures when maintaining the safety and operation of motive power units and rolling stock across a variety of operational rail transport contexts.

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.

PERFORMANCE CRITERIA

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

- | | |
|---|---|
| 1 Identify faults, defects and deficiencies | <ul style="list-style-type: none">1.1 Operational capability of rolling stock and/or motive power unit ancillary equipment is evaluated1.2 Faulty or damaged components or equipment are identified and assessed1.3 Hazards are identified, risks are assessed and control measures are implemented1.4 Impact of faults on work requirements is identified and safe operating capabilities are evaluated1.5 Work areas and equipment are made safe for inspection |
| 2 Rectify minor faults | <ul style="list-style-type: none">2.1 Minor repairs and/or isolations are carried out in accordance with manufacturer specifications and organisational procedures2.2 Equipment, tools and required materials are operated, applied and handled in accordance with work health and safety (WHS)/occupational health and safety (OHS) requirements and manufacturer specifications, to prevent injury and damage |
| 3 Check and report minor repairs and/or isolations | <ul style="list-style-type: none">3.1 Minor repairs and/or isolations are checked for safety compliance3.2 Equipment is checked to ensure it conforms to organisational standards3.3 Action taken is reported/recorded in accordance with company procedure3.4 Operational capabilities are monitored and further evaluated3.5 Communication is maintained with relevant personnel |

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 TLIB4080A Identify, diagnose and rectify minor faults on motive power units and rolling stock.

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 TLIB4080 Identify, diagnose and rectify minor faults on motive power units and rolling stock

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:

- carrying out checks of different types of motive power units and rolling stock
- carrying out minor repairs in accordance with workplace procedures
- communicating effectively with others
- identifying job hazards and required action to minimise, control or eliminate identified hazards
- identifying possible faults, defects and deficiencies, and appropriate remedial activities
- implementing contingency plans
- making decisions based on evaluation of faults, defects, deficiencies and operational capabilities
- modifying activities depending on operational contingencies, risk situations and environments
- operating and adapting to differences in equipment in accordance with operating procedures
- operating tools and equipment in accordance with workplace procedures
- reading and interpreting relevant instructions, procedures, information and signs
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

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:

- communications protocols
- emergency procedures
- isolation systems
- operational requirement of rolling stock
- possible faults, defects and deficiencies, and appropriate remedial activities

- relevant rail industry standards and certification requirements
- relevant state/territory regulations, codes of practice and system of safeworking requirements
- relevant safety, work health and safety (WHS)/occupational health and safety (OHS), and environmental procedures and regulations
- relevant workplace procedures and policies
- tools and equipment required for the task and the procedures and precautions for their care, use and storage
- typical minor repair problems that can occur, and related action that should be taken
- workplace documentation and record requirements.

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, codes of practice and operation manuals.

Links

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