



Australian Government

TLIB3113 Diagnose and rectify minor faults on motive power units and rolling stock

Release: 2

TLIB3113 Diagnose and rectify minor faults on motive power units and rolling stock

Modification History

Release 2. This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor statement changes in Performance Evidence
- Minor statement changes in Knowledge Requirement
- Minor statement changes in Assessment Conditions.

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.

It includes identifying maintenance and/or repair requirements, conducting minor maintenance and routine repairs, checking and reporting minor maintenance and/or repairs, and providing support in accordance with workplace procedures.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice and/or guidelines.

Work is performed under some supervision, generally within a team environment. It involves the application of routine minor fault diagnosis and rectification procedures when maintaining the safety and operation of equipment 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

Rail sector.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Identify maintenance and repair requirements

- 1.1** Hazards are identified, risks are assessed and risk control measures are implemented
- 1.2** Condition of rolling stock and/or motive power unit ancillary equipment is assessed
- 1.3** Faulty or damaged components or equipment are identified and assessed for component exchange or minor repair
- 1.4** Equipment and tools required are identified and obtained
- 1.5** Equipment is prepared and work areas are checked to ensure maintenance, repair and component exchange activities are carried out in a safe environment
- 1.6** Faulty or damaged components or equipment that are not able to be repaired or exchanged are reported for further maintenance in accordance with workplace procedures

2 Conduct minor maintenance and routine repairs

- 2.1** Minor maintenance, routine repairs and component exchange are carried out in accordance with manufacturer specifications and workplace procedures
- 2.2** Equipment, tools and materials required 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 maintenance and repairs

- 3.1** Minor maintenance, repairs and component exchange activities are checked for compliance with safety requirements and workplace procedures
- 3.2** Equipment is checked to confirm it has been restored to operational standards
- 3.3** Maintenance, repair and component exchange activities are documented and filed in accordance with workplace procedures

and regulatory requirements

3.4 Work area is checked for cleanliness and operational safety

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.

Unit Mapping Information

This unit replaces and is equivalent to TLIB3113B 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 TLIB3113 Diagnose and rectify minor faults on motive power units and rolling stock

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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 on different types of motive power units and rolling stock
- carrying out minor maintenance, repair and component exchange activities correctly
- completing relevant documentation
- identifying job hazards and taking required actions to minimise, control or eliminate identified hazards
- identifying possible faults and defects and appropriate corrective measures
- modifying activities depending on operational contingencies, risk situations and environments
- operating and adapting to different tools and equipment
- 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:

- emergency response procedures
- equipment used when diagnosing and rectifying minor faults and the procedures and precautions for their care, use and storage
- relevant sections of applicable state/territory legislated rail safety requirements, codes of practice and/or guidelines, and system of safeworking requirements including:

- work health and safety (WHS)/occupational health and safety (OHS) and environmental protection requirements
- typical minor repair problems that can occur, and related actions that should be taken in accordance with workplace procedures
- workplace component and material supply system
- workplace documentation and records requirements
- workplace procedures and policies for diagnosing and rectifying minor faults.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate rail 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 must include access to:

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

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