



Australian Government

TLIB0128 Conduct pre-movement checks on motive power units

Release: 2

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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 Criteria
- Minor statement changes in Performance Evidence
- Minor statement changes in Knowledge Evidence
- 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 conduct pre-movement checks on motive power units in accordance with relevant workplace procedures, rules and codes of practice.

It includes conducting pre-start checks, and starting and positioning motive power units in accordance with workplace requirements.

This unit applies to people required to carry out these activities as part of a maintenance role within a defined location.

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 Carry out pre-start checks

1.1 Allocation of motive power units is checked in conjunction with appropriate personnel

1.2 Motive power unit to be inspected and prepared is located

1.3 Completion of all maintenance activities is confirmed

1.4 Checks for safety controls are conducted in accordance with workplace procedures

1.5 Internal and external integrity checks are conducted in accordance with workplace procedures

1.6 Fluid levels are checked and appropriate actions taken, as required

2 Start motive power unit

2.1 Motive power unit is started in accordance with manufacturer instructions and/or workplace procedures, and faults are recognised, diagnosed, reported and recorded in appropriate records for follow-up

2.2 Hazards are identified, risks are assessed and risk control measures are implemented

2.3 For critical or serious equipment faults that cannot be readily rectified, motive power unit is shut down, faulty equipment is isolated and tagged, and problem is reported for rectification

2.4 All instruments and gauges are observed, readings are interpreted to confirm effective air and electrical operation, and where a problem is indicated, actions are taken to determine the cause and to rectify or report the situation

2.5 Fluid levels are rechecked after starting and appropriate actions are taken in accordance with workplace procedures

2.6 Pre-movement checks are carried out to ensure motive power unit is braking and powering effectively and is safe to move

3 Complete documentation

3.1 All required documentation concerning inspecting the motive power unit is completed and processed in accordance with workplace procedures and regulatory requirements

- 3.2** Logbook and other maintenance records on the motive power unit are completed and processed in accordance with workplace procedures and regulatory requirements
- 4 Position motive power unit**
- 4.1** Authority to move and position motive power unit is obtained and relevant personnel are advised of intention and procedures
- 4.2** Relevant personnel are made aware that motive power unit is about to be moved in accordance with workplace procedures
- 4.3** Motive power unit is operated in accordance with standard procedures and regulatory requirements, and within operating and operational constraints
- 4.4** Motive power unit is positioned in accordance with operational requirements and directions
- 4.5** Motive power unit performance is monitored during operation to confirm effective operation and/or to identify defects
- 4.6** Equipment defects are identified, reported, rectified and recorded or relevant personnel are advised for assistance
- 4.7** Relevant work health and safety (WHS)/occupational health and safety (OHS) and regulatory requirements are followed to ensure safety and to prevent injury and damage
- 4.8** Relevant personnel are advised that the motive power unit is secured in the required position and is ready for service

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 TLIB0128A Conduct pre-movement checks on motive power units.

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 TLIB0128 Conduct pre-movement checks on motive power units

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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 motive power units and associated equipment and workplace procedures
- applying relevant workplace procedures
- communicating effectively with others when inspecting and preparing a motive power unit
- identifying job hazards and taking required actions to minimise, control or eliminate identified hazards including:
 - modifying activities depending on operational contingencies, risk situations and environments
- identifying who is responsible for authorising the movement of rolling stock
- interpreting and following instructions and prioritising work
- 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:

- documentation requirements when inspecting and preparing a motive power unit
- hazardous situations, risk control measures and workplace procedures when preparing and starting up a motive power unit
- procedures for conducting pre-movement checks prior to moving a motive power unit
- relevant work health and safety (WHS)/occupational health and safety (OHS) and rail safety requirements
- start-up requirements and workplace procedures for motive power units.

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 or, where this is not available, in simulated workplace operational situations that replicate rail corridor 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 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, rules, codes of practice and operation manuals.

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