



Australian Government

Assessment Requirements for TLIB4076 Inspect and prepare a heritage motive power unit

Release: 2

Assessment Requirements for TLIB4076 Inspect and prepare a heritage motive power unit

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 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.

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 heritage motive power units and associated equipment and procedures
- checking and replenishing fluids and carrying out lubrication requirements on a heritage motive power unit
- checking electronic communications equipment is in accordance with required protocol
- conducting a visual inspection of a heritage motive power unit and associated equipment
- documenting outcomes of visual inspection of a motive power unit
- identifying and assessing motive power unit defects and deficiencies and taking appropriate actions to report, isolate, repair or replace identified defective equipment in accordance with workplace procedures
- identifying job hazards and required actions to minimise, control or eliminate identified hazards
- interpreting and following instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring and anticipating operational problems and hazards and taking appropriate actions
- preparing a heritage motive power unit prior to service
- reading and interpreting relevant instructions, procedures, information and signs
- working collaboratively with others as part of a train crew.

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:

- applicable state/territory legislated rail safety requirements, relevant codes of practice and/or guidelines, local rail regulations and codes of practice
- external features of a heritage motive power unit that must be checked during a pre-operational visual inspection
- fuel tank capacity and range, where applicable
- functions of all supervisory indicators and controls and related checks for correct operation
- functions of auxiliary systems on a heritage motive power unit and related checks for correct operation
- in-cab pre-operational checks for a heritage motive power unit
- lubrication requirements for a heritage motive power unit
- operating controls procedures to start, accelerate, decelerate and stop a heritage motive power unit
- operating procedures for a heritage motive power unit
- principles, purpose and location of controls, monitoring devices, braking, power source and traction systems
- procedures for:
 - adjusting controls to optimise the operation of a heritage motive power unit
 - braking and safety systems for a heritage motive power unit
 - checking fuel and fluid levels and carrying out lubrication processes on a motive power unit
 - cleaning requirements for a heritage motive power unit
 - emergency response procedures
 - identifying equipment defects and assessing for appropriate actions
 - managing and controlling hazardous situations when preparing and starting up a heritage motive power unit
 - minor maintenance including cleaning, brake shoe/pad replacement and sand box requirements
 - operating electronic communications equipment in accordance with required protocol
 - starting and operating auxiliary systems on a heritage motive power unit
 - start-up procedures for a heritage motive power unit
- relevant personnel
- relevant work health and safety (WHS)/occupational health and safety (OHS), and environmental procedures and regulations
- requirements for completing relevant documentation
- typical defects that can occur on a heritage motive power unit and related actions that should be taken
- workplace procedures and operating requirements.

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 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 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.

Links

Companion Volume Implementation Guides are found in VETNet -

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