



Australian Government

TLID2045 Operate specialised light load shifting equipment

Release: 2

TLID2045 Operate specialised light load shifting equipment

Modification History

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

- Minor changes to unit Application
- Minor changes to Performance Criteria
- Minor changes to Performance Evidence
- Minor changes to Knowledge Evidence
- Minor changes to 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 operate specialised light load shifting equipment.

It includes planning work for current working conditions; using controls and equipment operating systems to manage moving a unit and accessory operations; locating load and identifying load characteristics; moving materials and loads; monitoring and operating controls; and stopping, parking and securing equipment after operation in accordance with relevant state and/or territory codes, licence and/or permit and workplace requirements and regulations in the stevedoring, transport, warehousing and/or logistics industries.

Safety checks and equipment tests are performed under limited supervision.

Where the specialised light load shifting equipment operated is considered to be high-risk work, the operator must hold a high-risk work licence.

Pre-requisite Unit

Not applicable.

Competency Field

D – Load Handling

Unit Sector

Not applicable.

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 Plan work for current working conditions

- 1.1** Traffic flow and work area conditions are constantly assessed and anticipated to ensure no injury to people or damage to equipment, loads or facilities
- 1.2** Load characteristics are taken into account to ensure appropriate attachments are used to transport load, as required
- 1.3** Hazards are identified, risks are assessed, and control measures are implemented
- 1.4** Occurrences in work area that affect safety and efficiency of operations are reported to appropriate personnel

2 Use controls and equipment operating systems to manage moving unit and accessory operations

- 2.1** Light load shifting equipment is prepared and appropriate attachment is fitted
- 2.2** Gear and operational levers are checked to ensure they are in neutral position prior to inserting ignition key and starting engine
- 2.3** Engine is started in accordance with manufacturer guidelines to bring engine up to speed
- 2.4** Instruments and gauges are monitored during start-up and operations to ensure operation is within manufacturer specifications and workplace safety requirements
- 2.5** Engine power is managed to ensure efficiency of equipment movement and economy of equipment operations
- 2.6** Equipment operations are conducted in accordance with manufacturer specified torque range
- 2.7** Faults or damage to equipment are immediately reported to appropriate personnel

3 Locate load and identify load characteristics

- 3.1** Load is located and identified in accordance with instructions
- 3.2** Loading and unloading plans are followed to ensure efficiency and safety of operations
- 3.3** Load characteristics are taken into account to ensure appropriate loading and unloading procedures are followed

- 3.4 Hazardous goods are identified, and relevant procedures are taken into account when planning and conducting work
 - 3.5 Load weight and dimensions are established within equipment capacity
- 4 Move materials and loads**
 - 4.1 Light load shifting equipment is manoeuvred and positioned using smooth and controlled movements
 - 4.2 Manoeuvres are made within equipment limits and in accordance with manufacturer specifications
 - 4.3 Materials are moved ensuring no injury to personnel or damage to equipment or goods
- 5 Monitor and operate controls**
 - 5.1 Light load shifting equipment controls are monitored and operated in accordance with manufacturer instructions
 - 5.2 Control systems are interpreted and acted on in accordance with statutory authority regulations, manufacturer guidelines and workplace procedures
 - 5.3 Control faults are identified and reported in accordance with manufacturer instructions and workplace procedures
- 6 Stop, park and secure light load shifting equipment**
 - 6.1 Light load shifting equipment is brought to a controlled halt in accordance with manufacturer guidelines
 - 6.2 Light load shifting equipment is parked without injury to personnel or damage to equipment, loads or facilities in accordance with workplace procedures
 - 6.3 Light load shifting equipment is secured on a flat, even surface, clear of doorways, aisles, access ways or blind corners in accordance with securing procedures for appropriate equipment

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 TLI Transport and Logistics Training Package

Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLID2045A Operate specialised light load shifting equipment.

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 TLID2045 Operate specialised light load shifting equipment

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Performance Evidence

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

- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- communicating effectively with others
- completing relevant documentation
- implementing contingency plans
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring and prioritising work activities in terms of planned schedule, predicting consequences and identifying improvements
- monitoring performance of equipment and taking appropriate actions, as required
- operating and adapting to differences in equipment in accordance with operating procedures
- operating electronic communications equipment to required protocol
- reading, interpreting and following relevant instructions, procedures, information and signs
- reporting and/or rectifying identified problems, faults or malfunctions promptly in accordance with regulatory requirements and workplace procedures
- selecting and using relevant gear and accessories when operating specialised light load shifting equipment
- selecting and using required personal protective equipment (PPE) conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- servicing equipment in terms of maintenance schedule and workplace procedures
- 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 the requirements of the elements, performance criteria and include knowledge of:

- conveyed material potential for toxicity, reactivity, material grade, type and purpose, including information from relevant safety data sheets (SDS)/material safety data sheets (MSDS) and current hazardous or dangerous goods regulation documentation requirements
- documentation, record requirements and housekeeping procedures, including:
 - relevant permit and licence requirements
 - site layout and obstacles
- manufacturer specifications and guidelines
- operational safety requirements and precautions for specialised light load shifting equipment concerned
- operational work systems, equipment, management and site operating systems for operating specialised light load shifting equipment
- problems that may occur and appropriate actions that can be taken to resolve these problems
- purpose, characteristics, capabilities, requirements and limitations of specialised light load shifting equipment
- relevant regulations for operating specialised light load shifting equipment, including relevant hazardous or dangerous goods systems and relevant bond, quarantine or other legislative requirements
- relevant WHS/OHS and environmental protection procedures and guidelines
- workplace procedures and policies for operating specialised light load shifting equipment.

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 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 PPE currently used in industry
- applicable documentation, including legislation, regulations, codes of practice, workplace procedures and operation manuals.

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