



Australian Government

TLID0007 Operate specialised load shifting equipment

Release: 1

TLID0007 Operate specialised load shifting equipment

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 operate specialised load shifting equipment in accordance with codes of practice, permits, workplace requirements and relevant regulatory requirements as part of work undertaken in the stevedoring, transport, warehousing and logistics industries.

It includes planning work for current working conditions; using controls and equipment operating systems to manage moving the 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.

Safety checks and equipment tests are performed under limited supervision.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

D – Load Handling

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare work for current working conditions 1.1

PERFORMANCE CRITERIA

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

Hazards are identified, risks assessed and control measures implemented

- | | | |
|----------|--|--|
| | 1.2 | Traffic flow and work area conditions are assessed and adjusted to ensure safe operation |
| | 1.3 | Load characteristics are taken into account to ensure appropriate attachments/gear are used to move load in accordance with lift plan |
| | 1.4 | Working load limit (WLL) is calculated |
| | 1.5 | Occurrences in work area that may impact on safety and efficiency of operations are reported to relevant personnel in accordance with workplace procedures |
| 2 | Operate specialised loading equipment | |
| | 2.1 | Equipment is inspected and configured in accordance with manufacturer specifications, prepared and appropriate attachments are 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 to ensure operation is within manufacturer specifications and workplace procedures |
| | 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 relevant personnel in accordance with workplace procedures |
| 3 | Locate load and identify load characteristics | |
| | 3.1 | Load is located and identified in accordance with workplace procedures |
| | 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 workplace procedures are followed |

- | | | |
|---|------------|--|
| | 3.4 | Hazardous goods are identified and relevant procedures are taken into account when planning and conducting work |
| | 3.5 | Load characteristics, weight and dimensions are checked to ensure lifting capacity is not exceeded |
| 4 Move materials and loads | 4.1 | Equipment is manoeuvred and positioned using smooth and controlled movements |
| | 4.2 | Movements 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 | Equipment controls are operated and monitored in accordance with manufacturer operating instructions |
| | 5.2 | Control systems are interpreted and acted on in accordance with manufacturer guidelines and workplace procedures |
| | 5.3 | Control faults are identified and reported in accordance with workplace procedures |
| 6 Shut down and secure equipment | 6.1 | Equipment is brought to a controlled halt in accordance with manufacturer guidelines |
| | 6.2 | Equipment is shut down without injury to personnel or damage to equipment, loads or facilities in accordance with company procedures |
| | 6.3 | 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 |
| | 6.4 | Problems, faults or malfunctions are reported and/or rectified in accordance with regulatory requirements and workplace procedures |

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 TLID2012 Operate specialised 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 TLID0007 Operate specialised load shifting equipment

Modification History

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:

- applying precautions and required actions to minimise, control or eliminate identified hazards
- applying relevant workplace procedures
- checking and replenishing fluids and carrying out lubrication processes during work activities
- 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
- monitoring performance of specialised load shifting equipment and taking appropriate action as required
- operating and adapting to differences in equipment in accordance with operating procedures
- operating electronic communications equipment to required protocol
- planning own working, predicting consequences and identifying improvements
- reading, interpreting and following relevant instructions, procedures, information and signs
- selecting and using relevant gear and accessories
- selecting and using required personal protective equipment (PPE) conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards.

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:

- 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 Australian Dangerous Goods (ADG) Code documentation
- documentation, record requirements and housekeeping standards, including:
 - relevant permit and licence requirements
 - site layout and obstacles
- operational safety requirements and precautions for specialised load shifting equipment

concerned

- operational work systems, equipment, management and site operating systems for operating specialised 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 load shifting equipment
- relevant regulations for operating specialised load shifting equipment, including current ADG Code and relevant approved storage facilities, quarantine or other legislative requirements
- relevant WHS/OHS and environmental protection procedures and guidelines
- workplace procedures and policies for operating specialised 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:

- relevant materials, tools, equipment and PPE
- 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>