



Australian Government

TLIC0018 Operate a tip truck

Release: 1

TLIC0018 Operate a tip truck

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 a tip truck. It is appropriate for those working in tip truck driving roles.

It includes planning and preparing for tip truck operations, conducting tip truck pre-operational checks and driving a tip truck.

It also includes loading, transporting and tipping materials, shutting down a vehicle and cleaning up vehicle, tools, equipment and work area.

Work is performed with limited or no supervision, and with limited accountability and responsibility for self and others in achieving the prescribed outcomes.

Vehicle must be operated in accordance with relevant state or territory licensing authority vehicle licence requirements and regulations.

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

Pre-requisite Unit

Not applicable.

Competency Field

C – Vehicle Operation

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

- 1 Plan and prepare for tip truck operations**
 - 1.1 Vehicle transport documentation is accessed, interpreted and applied to ensure work activity is compliant
 - 1.2 Work requirements are obtained, confirmed and applied
 - 1.3 Signage requirements are identified, obtained and implemented in accordance with loading/unloading site traffic management plan
 - 1.4 Appropriate vehicle, tools, equipment and personal protective equipment (PPE) are selected
 - 1.5 Tools, equipment and PPE are checked for serviceability and faults are rectified or reported
 - 1.6 Environmental protection requirements are identified, confirmed and applied in accordance with loading/unloading environmental management plan
- 2 Conduct tip truck pre-operational checks**
 - 2.1 Pre-start and start-up checks are carried out
 - 2.2 Tip truck controls and functions, including tray, body, steering, brakes and manoeuvrability, are checked for serviceability and faults are rectified or reported
- 3 Drive tip truck**
 - 3.1 Engine power is managed to ensure efficiency of truck movements, and to minimise strain on engine, drive line and gears
 - 3.2 Engine power is coordinated with gear selection to ensure smooth transition and operation within torque range
 - 3.3 Tip truck is operated in accordance with work instructions and manufacturer instructions
 - 3.4 Road/traffic conditions, traffic flow, distance, load and appropriate speed are monitored and considered to ensure safety of people, property, equipment, loads and facilities
 - 3.5 Vehicle is stopped smoothly using engine retarder, gears and brakes
- 4 Load, transport and tip materials**
 - 4.1 Site operating hazards and risks are identified and managed, and safe operating techniques are applied
 - 4.2 Tipping specific hazards are identified, including type of load, unstable, uneven tipping surfaces, cross gradients, tipping uphill and cross slopes, overhead power lines, trailer coupling types (type of turntable) and trailer position (straight line)

- 4.3 Tip truck is positioned at load and unload points with a minimum of manoeuvre
 - 4.4 Tip truck movements are carried out in a smooth and controlled manner, including raising and lowering tipper body/tray
 - 4.5 Mass and distribution of load is assessed, and type of material and vehicle dimensions are considered to ensure it is within vehicle and allowable mass limits for axle group and gross vehicle mass/gross combination mass capacity
 - 4.6 Vehicle is inspected for loose materials prior to departure, including on top of tarps and draw bars between tyres
 - 4.7 Safety and security of load is maintained from loading site to unload site, including load cover requirements
 - 4.8 Load is safely unloaded in accordance with unload site conditions and work exclusion zones
 - 4.9 Tipper truck body/tray is lowered from within cabin safely with minimum movement and travel required, excess material is cleared, and tipper body/tray is secured and draw bars cleaned (as applicable) before leaving site
- 5 Shut down and clean up**
- 5.1 Tip truck is safely parked and shutdown
 - 5.2 Park and shutdown checks are carried out
 - 5.3 Visual and physical inspections are conducted, and faults are recorded and reported according to workplace procedures
 - 5.4 Vehicle records are maintained/updated and submitted
 - 5.5 Vehicle, tools and equipment are cleaned, checked, maintained and stored

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.

Unloading site conditions must include one or more of the following:

- over face
- slopes

Work requirements must include one or more of the following:

- handover details
- operational details
- permit or access conditions
- plans
- quality requirements
- shift briefings
- specifications
- work orders

Unit Mapping Information

This unit replaces and is equivalent to TLIC0004 Operate a tip truck.

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 TLIC0018 Operate a tip truck

Modification History

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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 and performance criteria and include:

- completing tip truck operations safely, effectively and efficiently, and meeting all required outcomes on a minimum of three (3) separate occasions, including:
 - applying load cover
 - carrying out inspections and identifying faults
 - carrying out log-on, pre-start, start-up, park-up and shutdown procedures
 - obtaining and applying signage requirements
 - operating, steering, manoeuvring and positioning tip truck
 - organising work activities to comply with site requirements
 - processing written and/or digital records and reports
 - raising and lowering tipper body/tray smoothly
 - safely discharging load according to site conditions and work instructions
 - stopping and parking tip truck
- locating and applying relevant documentation, policies and procedures on at least one (1) occasion
- working effectively with others to undertake and complete tip truck operations to meet all required outcomes on at least one (1) occasion, including:
 - communicating clearly and concisely with others to receive and clarify work instructions
 - preparing for and organising work activities to meet all task requirements
 - using a range of communication techniques and aids to advise others of work activity and exclusion zones.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and include knowledge of:

- load quantity calculations
- operational, maintenance and basic diagnostic procedures
- permit and access conditions, including where and when they apply
- recording and reporting procedures

- reporting faults in vehicles and ancillary equipment
- safety data sheet (SDS)/material safety data sheet (MSDS) and material handling methods
- safety requirements and emergency procedures, including powerline strike
- site isolation and traffic control responsibilities and authorities
- start-up and shutdown procedures
- tip truck types, characteristics, technical capabilities, limitations and suitability
- vehicle specifications and limitations, including:
 - allowable axle, gross vehicle and gross combination masses
 - dimensions
 - mass
 - volumes.

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.

Practical driving aspects must be assessed in a tip truck vehicle typical of that used in industry.

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 legislation, regulations, codes of practice, workplace procedures and operation manuals.
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