



Australian Government

TLIC0004 Operate a tip truck

Release: 1

TLIC0004 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 conduct tip truck operations in the transport and logistics industry.

This unit 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/territory licencing 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 | <ul style="list-style-type: none">1.1 Vehicle haulage documentation is accessed, interpreted and applied to ensure work activity is compliant1.2 Work requirements are obtained, confirmed and applied.1.3 Signage requirements are identified, obtained and implemented in accordance with project traffic management plan1.4 Appropriate vehicle, tools, equipment and personal protective equipment (PPE) are selected1.5 Tools, equipment and PPE are checked for serviceability and faults are rectified or reported1.6 Environmental protection requirements are identified, confirmed and applied in accordance with project environmental management plan |
| 2 Conduct tip truck pre-operational checks | <ul style="list-style-type: none">2.1 Pre-start, start-up, park and shutdown checks are carried out2.2 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 | <ul style="list-style-type: none">3.1 Site operating hazards and risks are identified and managed, and safe operating techniques are applied3.2 Engine power is managed to ensure efficiency of truck movements, and to minimise strain on engine, drive line and gears3.3 Engine power is coordinated with gear selection to ensure smooth transition and operation within torque range3.4 Tip truck is operated in accordance with work instructions and manufacturer instructions3.5 Road/traffic conditions, traffic flow, distance, load and appropriate speed are monitored and considered to ensure safety of people, property, equipment, loads and facilities3.6 Vehicle is stopped smoothly, using engine retarder, gears and brakes |
| 4 Load, transport and tip materials | <ul style="list-style-type: none">4.1 Tip truck is positioned at load and discharge points with a minimum of manoeuvre4.2 Tip truck movements are carried out in a smooth and |

- controlled manner including raising and lowering tray body
- 4.3 Weight and distribution of load is assessed, and type of material and size of vehicle are considered to ensure it is within vehicle capacity
 - 4.4 Safety and security of load is maintained from loading site to discharge site, including load cover requirements
 - 4.5 Load is safely discharged in accordance with fill site conditions and work instructions
 - 4.6 Tip truck body is lowered, excess material is cleared and tray body is secured before leaving site
- 5 Shut down and clean up**
- 5.1 Tip truck is safely parked and prepared for operator maintenance and shutdown
 - 5.2 Visual and physical inspections are conducted and faults are recorded
 - 5.3 Vehicle records are maintained/updated and submitted
 - 5.4 Work area is cleared and materials are disposed of, or recycled in accordance with workplace requirements
 - 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 Companion Volume Implementation Guide.

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

- over face
- slopes

Work requirements must

- handover details

- include one or more of the following:
- operational details
 - permit conditions
 - plans
 - quality requirements
 - shift briefings
 - specifications
 - work orders

Unit Mapping Information

This is a new unit.

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 TLIC0004 Operate a tip truck

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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, performance criteria and range of conditions 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 standards
 - processing written records and reports
 - raising and lowering 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 of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- load quantity calculations
- operational, maintenance and basic diagnostic procedures

- permit 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 materials handling methods
- safety requirements
- 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:
 - mass
 - dimensions
 - volumes
 - axle weights.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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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.

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

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:

- a range of relevant exercises, case studies and/or simulations
- applicable documentation such as legislation, regulations, codes of practice, workplace procedures and operation manuals
- relevant materials, tools, equipment, machinery, materials and personal protective equipment currently used in industry.

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