



Australian Government

TLIC0017 Operate a concrete agitator

Release: 1

TLIC0017 Operate a concrete agitator

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 concrete agitator.

It includes systematically and efficiently controlling all vehicle functions, monitoring traffic and road conditions, and managing vehicle condition and performance in accordance with relevant state or territory roads and traffic authority licence requirements and regulations for an agitator.

It also includes preparing a vehicle, monitoring and maintaining vehicle performance, delivering concrete to site and finalising concrete delivery.

Work is performed with limited supervision, and with duty of care responsibility for self and others in achieving the prescribed outcomes.

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.

1 Prepare vehicle

PERFORMANCE CRITERIA

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

- 1.1** Job hazards are identified and required action is taken to minimise, control or eliminate identified hazards

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| | 1.2 | Pre-operational vehicle and agitator check is completed in accordance with workplace procedures |
| | 1.3 | Concrete is charged to agitator and slump is adjusted in accordance with customer requirements and workplace procedures |
| | 1.4 | Vehicle exterior is cleaned prior to departure in accordance with workplace policies, procedures and regulatory requirements |
| | 1.5 | Most efficient route of travel is determined to achieve safety, customer and regulatory requirements |
| | 1.6 | Traffic and road conditions are constantly monitored and acted on to enable safe operation |
| | 1.7 | Emergency procedures are followed in a driving emergency |
| 2 | Monitor and maintain vehicle performance | |
| | 2.1 | Performance position and efficiency of vehicle operation are monitored during use |
| | 2.2 | Defective or irregular performance and malfunctions are reported to appropriate authority |
| | 2.3 | Vehicle records are updated and maintained, and information is processed in accordance with workplace procedures |
| 3 | Deliver concrete to site | |
| | 3.1 | Pre-site check is completed, including checking soft or uneven ground, cross slopes and overhead powerlines, before entry onto worksite in accordance with regulatory and workplace procedures |
| | 3.2 | Personal protective equipment (PPE) is worn in accordance with workplace policies |
| | 3.3 | Vehicle is parked and secured in accordance with manufacturer specifications, traffic regulations and workplace procedures |
| | 3.4 | Ancillary equipment is attached and operated in accordance with workplace procedures and regulatory requirements |
| | 3.5 | Concrete is discharged in accordance with customer requirements, workplace policies and procedures |
| 4 | Finalise concrete delivery | |
| | 4.1 | Relevant documentation is completed on delivery of concrete in accordance with customer requirements, workplace policies and procedures |

- 4.2** Vehicle is cleaned in accordance with workplace policies, procedures and regulatory requirements

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 TLIC3071 Operate an agitator.

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 TLIC0017 Operate a concrete agitator

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 on at least one occasion and include:

- adjusting slump of concrete to meet customer requirements
- applying knowledge of relevant regulations, workplace policies and procedures
- applying map reading and road navigation techniques to agitator operation
- applying precautions and required actions to minimise, control or eliminate identified hazards
- cleaning vehicle in accordance with workplace, environmental and regulatory standards
- communicating effectively with others
- completing relevant documentation
- conducting pre-site worksite checks
- correcting positioning and charging of agitator
- discharging concrete into concrete pump, wheelbarrow, kibble and chutes
- following operational instructions
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring and anticipating traffic hazards and taking appropriate action
- monitoring vehicle performance and taking appropriate action, as required
- operating agitator and ancillary equipment
- reading and interpreting relevant instructions, procedures, information and signs
- reporting and rectifying within limits of own role, identified problems, faults and malfunctions in accordance with regulatory requirements and workplace procedures
- selecting and using required personal protective equipment (PPE) conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- using ancillary equipment
- working collaboratively with others.

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:

- driving hazards and related defensive driving techniques
- effect of different slumps on vehicle stability
- effect of road camber, corners, vehicle speed and barrel speed on vehicle stability
- factors that may cause traffic delays and diversions, and related actions that can be taken
- map reading and vehicle navigation
- pre-operational vehicle checks and related action
- pre-site check workplace procedures
- procedures for measuring mass to ensure compliance with axle weight
- procedures to be followed in a driving emergency
- procedures to be followed when concrete is charged and discharged
- relevant state/territory roads and traffic authority road rules, regulations, permit and licence requirements
- relevant WHS/OHS and environmental procedures and regulations.

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.

Simulation/online assessment is not suitable for final assessment of this unit.

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