



Australian Government

CPCCON3054 Operate concrete agitator trucks

Release: 2

CPCCON3054 Operate concrete agitator trucks

Modification History

- | | |
|-----------|--|
| Release 2 | Updated reference to general construction induction training program. |
| Release 1 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCCCO3054 Operate concrete agitator trucks. |

Application

This unit of competency specifies the skills and knowledge required to operate concrete agitator trucks. It includes safely operating, positioning and manoeuvring the truck to load, transport and discharge concrete mix at the work site. It requires conducting pre-operational checks and driver maintenance.

A person who has achieved this unit of competency would be expected to take responsibility for organising and completing these tasks with a high degree of self-direction.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency. Candidates must hold a current, nationally recognised licence required to operate the concrete agitator truck. For further information, check with the relevant regulatory authority.

Completion of the general construction induction training program, specified in the Safe Work Australia model *Code of Practice: Construction Work*, is required by anyone carrying out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

Pre-requisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Unit Sector

Concreting

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
---	--

- | | | |
|---|-----|--|
| 1 Plan and prepare to operate concrete agitator truck. | 1.1 | Interpret work instructions for concrete agitator truck operation and clarify requirements with relevant persons. |
| | 1.2 | Plan work tasks to comply with relevant legislation, regulations, work health and safety (WHS), environmental and workplace requirements. |
| | 1.3 | Identify hazards associated with planned concrete agitator truck operation and apply risk controls in accordance with regulatory and workplace requirements. |
| | 1.4 | Select hand tools and maintenance equipment associated with truck, check for serviceability and rectify or report any faults. |
| | 1.5 | Select and fit required personal protective equipment (PPE). |
| 2 Conduct concrete agitator truck pre-operational checks. | 2.1 | Carry out truck pre-start, start-up, park and shut-down procedures including emergency shut-down in accordance with manufacturer and site requirements. |
| | 2.2 | Check truck controls and functions for serviceability and rectify or report faults. |
| | 2.3 | Check agitator controls and functions for serviceability and rectify or report faults. |
| 3 Operate concrete agitator truck. | 3.1 | Manage engine power to ensure efficient truck movements and to minimise damage to engine and gears. |
| | 3.2 | Coordinate engine power with gear selection ensuring smooth transition and operation within torque range. |
| | 3.3 | Drive truck safely in accordance with regulatory and workplace requirements. |
| | 3.4 | Monitor road and traffic conditions and adjust truck operation as required to ensure safety. |
| | 3.5 | Bring truck to a halt smoothly using engine retarder, gears and brakes to minimise truck wear and tear. |

- | | |
|---|---|
| 4 Load, transport and discharge concrete. | 4.1 Position truck at load and discharge points with minimum manoeuvres. |
| | 4.2 Load truck with concrete mix specified for the job, and with volume or weight of load within authorised carrying capacity of agitator. |
| | 4.3 Move truck from loading to discharge point safely and smoothly avoiding surge and sway. |
| | 4.4 Discharge concrete in accordance with work instructions. |
| | 4.5 Monitor and maintain discharge systems including chutes and adaptors throughout operations. |
| 5 Carry out operator maintenance. | 5.1 Park truck safely, prepare for maintenance, and shut down in accordance with manufacturer and workplace requirements. |
| | 5.2 Carry out basic diagnostic procedures on truck and agitator components and record results in accordance with manufacturer and workplace requirements. |
| | 5.3 Remove and replace defective parts safely and effectively in accordance with manufacturer and workplace requirements. |
| | 5.4 Carry out regular scheduled maintenance tasks in accordance with manufacturer and workplace requirements. |
| 6 Clean up. | 6.1 Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements. |
| | 6.2 Clean, check, maintain and store truck, bowl, tools and equipment in accordance with manufacturer and workplace requirements. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCCCO3054 Operate concrete agitator trucks.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCON3054 Operate concrete agitator trucks

Modification History

Release 2	Updated reference to general construction induction training program.
Release 1	This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0. Supersedes and is equivalent to CPCCCO3054 Operate concrete agitator trucks.

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by operating a concrete agitator truck over three shifts involving two different work sites.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- characteristics of concrete carried in concrete agitator trucks
- compliance requirements of legislation, regulations and codes relevant to concrete agitator truck operation:
 - environmental protection and waste disposal
 - licensing for truck operation
 - work health and safety (WHS)
- operational and maintenance requirements of concrete agitator truck:
 - basic diagnostic procedures
 - how and when to activate emergency shut-down procedures
 - key components and controls and their functions
 - operator maintenance procedures
 - pre-start, start-up, park and shut-down
 - techniques for positioning truck at load and discharge points
- processes for loading, transporting and discharging concrete:
 - authorised carrying capacity of agitator
 - methods for avoiding surge and sway
- workplace requirements for operating concrete agitator truck:
 - cleaning up the work area
 - maintaining and storing tools and equipment

- reporting problems
- safety requirements including personal protective equipment (PPE).

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to documentation, specifications, concrete agitator truck and associated tools and equipment required to achieve the performance evidence.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>