



Australian Government

CPCCCO3054 Operate concrete agitator trucks

Release: 1

CPCCCO3054 Operate concrete agitator trucks

Modification History

Release 1.

Supersedes and equivalent to CPCCCO3054A Operate concrete agitator trucks.

The unit of competency was updated to the Standards for Training Packages 2012.

This version first released with CPC Construction, Plumbing and Services Training Package Version 4.0.

Application

This unit of competency specifies the skills and knowledge required to operate concrete agitator trucks in support of construction projects.

It includes:

- planning and preparing for work
- conducting operational checks
- safely and effectively operating a concrete agitator truck and associated equipment
- positioning the vehicle at the load point
- loading and transporting concrete
- discharging concrete at work site
- applying emergency procedures
- conducting operator maintenance
- work finalisation activities.

The unit also includes supplying a range of concrete mixes, from relatively dry to increasingly wet mixes, including block-fill, pool mix, topping, slab, footing, kerb and guttering mixes for residential, commercial and civil construction sites.

It applies to concreters working as members of a team with at least a moderate degree of autonomy. They would be expected to complete routine activities without close supervision.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in all states and territories except Tasmania. Relevant state and territory regulatory authorities should be consulted to confirm these requirements.

Pre-requisite Unit

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

Unit Sector

Construction

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 Review and clarify task to operate concrete agitator truck. 1.2 Review task specifications and check to make sure they are in accordance with legislation, regulations and codes of practice. 1.3 Review work health and safety (WHS) requirements for the task in accordance with safety plans and policies. 1.4 Analyse site hazards associated with concrete agitator truck operations and use safe operating techniques to minimise risk. 1.5 Review environmental requirements for the task in accordance with environmental plans and legislative requirements. 1.6 Select hand tools and maintenance equipment associated with the particular concrete agitator truck, check for serviceability and rectify or report any faults.
2. Conduct concrete agitator truck pre-operational checks.	2.1 Fit personal protective equipment (PPE). 2.2 Carry out pre-start, start-up, park and shut-down procedures, including emergency shut-down procedures, in accordance with manufacturer and site-specific requirements. 2.3 Check vehicle controls and functions for serviceability, and rectify or report faults. 2.4 Check agitator controls and functions for serviceability and rectify or report faults.
3. Operate concrete agitator truck.	3.1 Manage engine power to ensure efficiency of concrete agitator 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 Operate concrete agitator truck in accordance with work instructions and company operating procedures. 3.4 Monitor road and traffic conditions and adjust concrete agitator truck operation as required to ensure safety. 3.5 Bring truck to a halt smoothly, using engine retarder, gears and brakes, and minimising wear and tear on vehicle.
4. Load, transport and discharge concrete.	4.1 Position concrete agitator truck at load and discharge points with a minimum of manoeuvres. 4.2 Load concrete agitator truck with concrete mixes specified for the job, and with volume or weight of load limited to within

	authorised carrying capacity of agitator. 4.3 Move concrete agitator truck from loading to discharge point safely and smoothly avoiding surge and sway. 4.4 Discharge concrete in accordance with task specifications. 4.5 Monitor and maintain discharge systems, including chutes and adaptors, throughout the operations.
5. Carry out driver maintenance.	5.1 Park concrete agitator truck safely, prepare it for maintenance, and shut down in accordance with manufacturer's manual and organisational requirements. 5.2 Carry out inspection and fault-finding in accordance with manufacturers' specifications, and record in accordance with workplace procedures. 5.3 Remove defective parts and replace them safely and effectively in accordance with manufacturers' instructions. 5.4 Carry out regular programmed maintenance tasks in accordance with manufacturers' and workplace requirements.
6. Clean up after operating concrete agitator truck.	6.1 Clear work area and dispose of, re-use or recycle materials in accordance with legislation, regulations, codes of practice and task requirements. 6.2 Clean, check, maintain and store vehicle, bowl, tools and equipment in accordance with manufacturers' specifications and workplace requirements.

Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria.

- oral communication skills to:
 - use questioning to identify and confirm requirements
 - discuss cause of problems
 - report work site hazards, including faults in tools, equipment and materials
 - provide feedback.

Unit Mapping Information

Supersedes and is equivalent to CPCCCO3054A 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 CPCCCO3054 Operate concrete agitator trucks

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Performance Evidence

To demonstrate competency in this unit, a person must operate a concrete agitator truck over at least three shifts and at two different sites.

In doing this, the person must meet the performance criteria for this unit.

Knowledge Evidence

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

- jurisdictional work health and safety (WHS) and environmental legislation and regulations relating to operating concrete agitator trucks, including:
 - job safety analyses (JSAs)
 - safe work method statements (SWMSs)
 - safety data sheets (SDSs)
 - personal protective equipment (PPE)
- requirements of Australian Standards and the National Construction Code (NCC) relating to operating concrete agitator trucks
- workplace requirements for all aspects of operating concrete agitator trucks, including interpreting work orders and reporting problems
- types, characteristics, uses and limitations of tools and equipment required for operating concrete agitator trucks, including:
 - safe operating procedures
 - operational, maintenance and basic diagnostic procedures
 - workplace and equipment safety requirements
 - cleaning, maintenance and storage
- techniques for operating concrete agitator trucks
- characteristics of concrete carried in concrete agitator trucks
- quality requirements relevant to operating concrete agitator trucks
- requirements for cleaning up work area and environmentally friendly waste management.

Assessment Conditions

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

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment. Tasks are to be performed to the level of proficiency and within the time limits expected in a workplace.

Assessors are responsible for ensuring that the person demonstrating competency has access to:

- concrete agitator truck and associated tools and equipment
- work sites and specifications for tasks to operate a concrete agitator truck
- appropriate documents, materials, tools, equipment and PPE currently used in industry
- requirements of appropriate sections of legislation and regulations
- relevant workplace policies and procedures.

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