

Prepare the concrete mixer truck for loading

Overview

What is this standard about?

This standard is about preparing the concrete mixer truck for loading of a product. It covers the physical checks that a driver has to make on the concrete mixer truck and the documentation they are required to complete to comply with legal and organisational requirements.

Who is this standard for?

This standard is relevant to drivers of concrete mixer trucks and those who are responsible for concrete mixer trucks within logistics organisations.

Prepare the concrete mixer truck for loading

Performance criteria

You must be able to:

1. comply with the organisational procedures and all relevant legal, environmental, health and safety and operating requirements relating to concrete mixer truck operations
2. prepare the concrete mixer truck for driving by carrying out checks to maintain the safety of the vehicle
3. manoeuvre the concrete mixer truck under the concrete batching plant to receive the product
4. secure the concrete mixer truck prior to loading of the product
5. rotate the drum at the required speed for the loading process
6. ensure people keep a safe distance from the concrete mixer truck whilst loading the product
7. monitor and assess the product during loading process
8. transition the drum from loading rotation to agitation
9. maintain the required drum agitation revolution speed
10. manoeuvre the concrete mixer truck from the batching plant

Prepare the concrete mixer truck for loading

Knowledge and understanding

You need to know and understand:

1. the organisational procedures and all relevant legal, environmental, health and safety, and operating requirements relating to driving the concrete mixer truck on public roads
2. the capacity, specification and capabilities of the concrete mixer truck
3. the hazards associated with handling ready mixed concrete
4. the risk assessments and safe operating procedures for the task
5. the responsibilities of the driver for the concrete mixer truck and load, including vehicle security
6. how the product can be affected by time, weather and temperature
7. how to operate the concrete mixer truck systems, drum rotation, controls and instruments
8. where to find information on the operation of the concrete mixer truck systems, controls and instruments
9. the methods and process of communicating with the concrete batch plant operator
10. the type and methods of concrete batching plants
11. how to position the concrete mixer truck under a batching plant
12. how to find information on the concrete mix to be carried
13. how to inspect the loaded product
14. how to assess the consistency of the product
15. the organisational procedures for reporting issues with the product loaded if the consistency of the product is out of specification
16. how to control the drum rotation direction and speed
17. the revolution direction and speed during loading
18. the revolution direction and speed once loaded
19. the process if the concrete mixer truck is under or overloaded

Prepare the concrete mixer truck for loading

Glossary

Controls: accelerator, clutch, footbrake, handbrake, steering wheel, gears, indicators, lights, windscreen wipers, demisters, heating and ventilation, Power Take Off (PTO), differential lock

Instruments: gauges, warning lights, displays, audible alerts, tachograph, telematics, slump gauge tyre-pressure indicators, coolant levels, oil levels, air pressure

Legal, safety and operating requirements: Highway Code, transport regulations, safety regulations, codes of practice, organisational requirements

Vehicle systems: Ignition, electrical, lights, brakes, transmission, engine, fuel, tyres, coupling, information technology, digital, communications and telemetry systems, ancillary equipment, loading, unloading, temperature control

Prepare the concrete mixer truck for loading

Developed by	MPQC
---------------------	------

Version Number	1
-----------------------	---

Date Approved	1 May 2024
----------------------	------------

Indicative Review Date	1 May 2028
-------------------------------	------------

Validity	Current
-----------------	---------

Status	Original
---------------	----------

Originating Organisation	MPQC
---------------------------------	------

Original URN	MPQC-MPV01
---------------------	------------

Relevant Occupations	Transport Drivers and Operatives
-----------------------------	----------------------------------

Suite	Driving Goods Vehicles
--------------	------------------------

Keywords	concrete mixer truck; screed; ready mixed concrete; ballast-crete; shotcrete
-----------------	--
