

Wash off fresh concrete from the concrete mixer truck

Overview

What is this standard about?

This standard is about washing off fresh concrete from the concrete mixer truck following discharging of the product. It covers the physical checks and process that a driver has to take whilst complying 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.

Performance criteria

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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
3. identify the location site for washing fresh concrete off the concrete mixer truck
4. manoeuvre the concrete mixer to a designated washing off point
5. position the concrete mixer truck in a safe position ready for washing off and secure the vehicle
6. locate site procedure for washing fresh concrete off the concrete mixer truck
7. select check and wear the appropriate PPE for the task
8. establish a safe working area
9. unload the water hose(s)
10. control the flow of water to a manageable flow for washing off
11. attach concrete chutes if required for washing off
12. maintain three points of contact while climbing drum ladders
13. loosen and remove excess concrete
14. control the direction and rotation speed of the drum to discharge wash off water
15. secure the drum following the wash off process
16. secure hoses, chutes and ancillary equipment
17. check the area has been left in a clean and tidy condition which free from waste concrete
18. prepare the concrete mixer truck for driving

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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 road
2. the hazards associated with handling ready mixed concrete
3. the risk assessments and safe operating procedures for the task
4. the responsibilities of the driver for the concrete mixer truck and the load
5. how the product can be affected by time, weather and temperature
6. the correct health and safety procedure for dealing with leaks or spillages of the load carried
7. how to select, check and wear the PPE required
8. environmental controls and procedures
9. how to evaluate the ground conditions to prevent damage to the concrete mixer truck
10. how to evaluate a safe position for discharging the wash off material
11. how to operate concrete mixer truck systems, drum rotation, valves, controls and instruments
12. how to work at height
13. how to control the water flow to the hose
14. how to effectively remove excess concrete
15. how to control the direction and rotation speed of the drum to discharge wash off water
16. how to secure hoses, chutes and ancillary equipment
17. how to prepare the concrete mixer ready for driving following the removal of the waste concrete

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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

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Developed by	MPQC
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Validity	Current
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Status	Original
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Originating Organisation	MPQC
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Relevant Occupations	Transport Drivers and Operatives
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Suite	Driving Goods Vehicles
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Keywords	concrete mixer truck; screed; ready mixed concrete; ballast-crete; shotcrete
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