

KEYWORDS: CONCRETE; DUM; CLEANING;

10-15 MINUTES

# Topic: Concrete Trucks - Cleaning



## IDEAS FOR YOUR TALK:

- People remember facts better when they're interactive and visual.
- People remember stories better than raw facts: think of a personal story that you can share.
- People structure thoughts to remember them: think of risks or defects that can occur with each step of the cleaning
- YouTube is another good source of information and offers many safety videos and demonstrations. Select only videos that are high-quality.

## Explain dangers:

The mixing drum of a concrete truck must be cleaned regularly because concrete hardens and sticks to the drum.

During cleaning, workers may be exposed to these hazards:

- Start-up of the mixer unexpectedly
- Noise
- Vibration
- Respiratory hazards
- Skin hazards from wet concrete
- Heat stress.

## Demonstrate:

Identify the competent person who will be responsible for disconnecting the battery. Also identify the helper.

## 1. SUGGESTED ENGAGEMENT QUESTIONS:

- Who has cleaned a concrete truck before ?
- What is the main risk doing it ?
- Has anyone heard of an incident or accident involving Concrete Trucks ?

## 2. TALKING POINTS:

### Before getting in the drum:

- Inform everyone who may be affected by the truck that it will be out of service and that workers will be inside.
- Chock/block the wheels and post an "Out of Service" sign on each door of the cab.
- Disconnect the truck battery. Apply a lock to the positive terminal of the battery to make sure it cannot be reconnected. Each person who enters the drum should have their own personal lock attached to a hasp.
- Apply a tag to the lock to indicate that it should not be connected.
- Verify that the truck has no energy by attempting to start the ignition.
- Remove the ignition key and lock all doors to the truck.
- The key should stay with the worker who enters the drum.
- Even if lockout has been verified, the truck's drum can still rotate due to shifting loads or because of work inside. The drum must be secured manually to prevent movement.
- To secure the drum, attach one end of a tie-down to the top of the lower entry port and extend it over the drum. Attach a second tie-down to the bottom of the port. Connect both tie-downs to the frame of the truck.
- Never enter the drum from the upper charge unless the lower ports have been opened. If the ports are blocked by hardened concrete, use a sledgehammer to remove it.

### The job inside

- Inspect the inside of the drum for loose concrete that shows cracks, movement, or other signs that it could become loose once inside. Rotate sections of unstable concrete to the lowest position and work on it first.
- Never chip concrete overhead. Rotate the upper portion of the drum to the lowest position and work on it. Repeat the lockout procedures after rotating the drum.

## 3. CLOSING QUESTIONS:

- Do you have questions on this subject ?
- Are you aware of a risk on this jobsite that shouldn't be?



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