

CSI Country Wide Case Study Safety Strategy Discussion

Construction Safety Investigator



Instructions

The objective of this tool is to provide field supervisors with information to proactively engage workers and discuss safety related concerns that they may encounter. Safety discussions should not be limited to the subject above and should pertain to the activities that workers will be involved in that may have the potential for safety related exposures.

Case Day:

October 16, 2003

Accident Type:

Equipment Accident - Multi-Piece Rim

Relevant laws, rules and codes may include:

29 CFR 1926.21 (b)(2), 29 CFR 1910.177, Equipment Operator's Manual

Case:

A 42 year-old male laborer was fatally injured while inflating a front-end loader's tire which was mounted on a multi-piece rim.

Accident Detail:

The victim was fatally injured while inflating a front-end loader's tire which was mounted on a multi-piece rim. The loader's front left tire was completely flat, preventing the loader from being moved out of its normal location, which was the garage bay where it was parked.

The victim decided to inflate the loader's front left tire. He was sitting in a chair, approximately 12 inches from the tire's sidewall while he was inflating the tire when increased air pressure caused the tire tube to explode. The explosion knocked the victim backwards.

Reconstructive Safety Evaluation:

- What are some of the possible causes of the accident being discussed?
- What actions could have been taken that might have prevented this accident from occurring?

