

# MNMM Fatal 2004-06

- Machinery Accident
- March 23, 2004
- Crushed Stone Operation
- General Foreman
- 40 years old
- 17 years experience

# Overview

- Setting up crane to perform maintenance work at a primary crusher.
- While the hydraulic boom was being extended, it went into a two-block situation.
- Cable holding the weight ball broke.
- The ball fell and struck the victim. A portion of the cable struck a co-worker, who received minor injuries.



# ACCIDENT SCENE

LOCATION OF VICTIM



0711801

13712-SC

LOAD

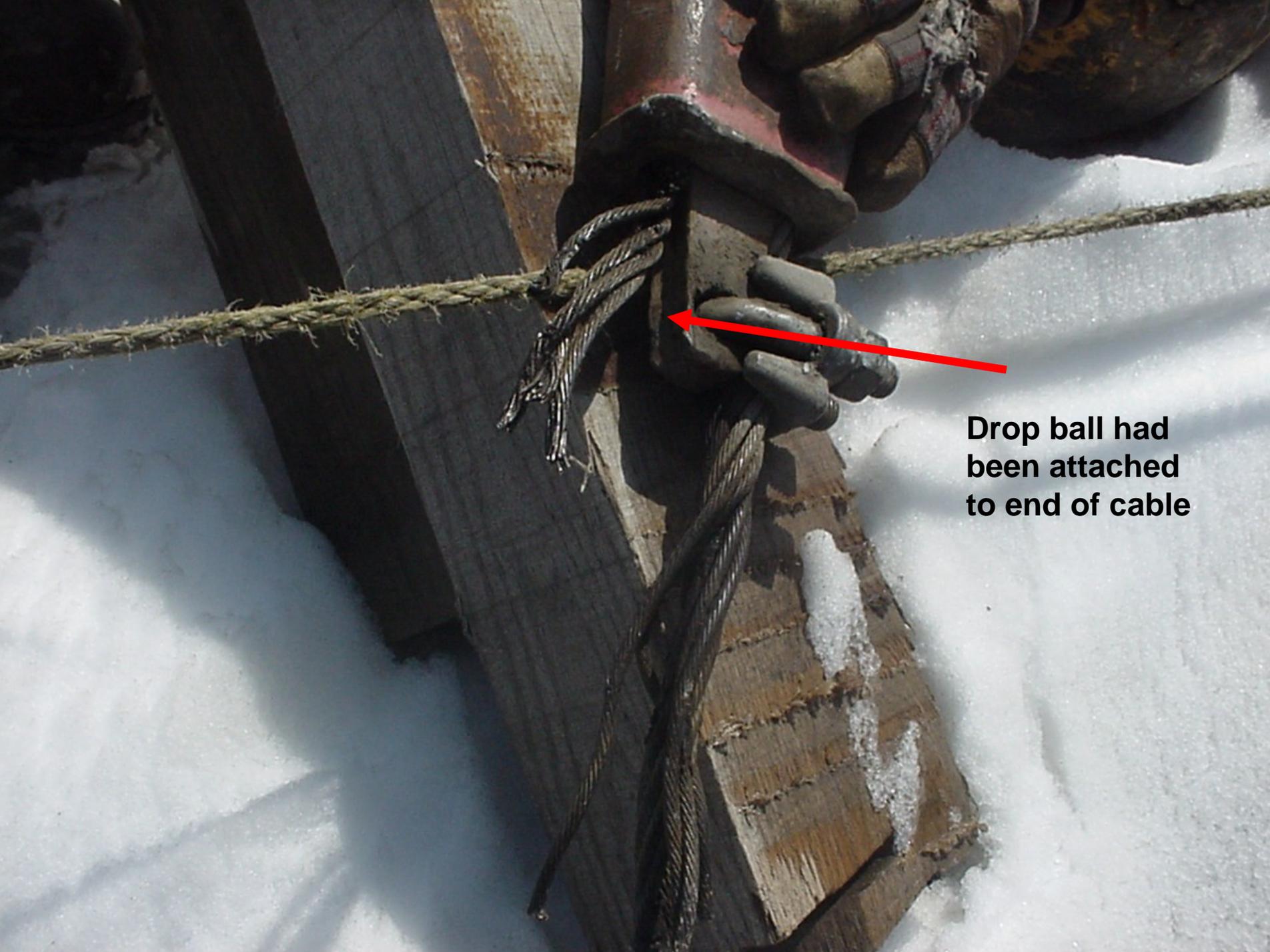
03/23/2004

# Why Did Accident Occur?

- When crane was set up, it contacted hydraulic breaker at the primary crusher.
- Crane operator swung crane to the left and lost sight of signal man.
- Crane went in a two-block condition when boom was being extended.
- Signal man was not in the clear.

**CRANE HEAD FRAME ASSEMBLY**





**Drop ball had  
been attached  
to end of cable**

# Causal Factors

- No risk analysis conducted.
- Operator of crane unaware that machine was in a two-block condition when the boom was being extended.
- No procedures in place to ensure persons were clear prior to extending the boom.

# Best Practices

- Ensure that crane operators understand the crane controls and activate the safety override features.
- When converting from the travel mode to lift mode, perform all equipment checks in the set up sequence as soon as possible.
- Ensure that all personnel stay clear during crane movement.
- Identify hazards and implement measures to ensure persons are properly protected.
- Train all personnel to help them recognize and understand procedures to safely perform tasks before beginning any work.
- Ensure that all personnel follow the established safe work procedures.