



IUEC INCIDENT SUMMARY

CLOSE CALLS, NEAR MISSES AND INJURIES

“INJURY”



Description of Incident

Control Type: Electric

Machine Type: Gearless

Speed: 450 FPM

Capacity: 3500 lbs.

Rise: 20 Stop

Hoistway Configuration: triplex



- A team had completed the replacement of a drive sheave on a gearless machine.
- A second team was dispatched to the 20-story building to assist the first team, who was now preparing to install new cables.
- The crews completed pulling the first cable over the machine sheave and sent it down the hoistway to the counterweight frame in the pit.
- The crews were working on the second cable and as they were joining the new cable to the old cable with a fist grip, the new cable slipped out of the mechanics hand, unspooled and went down the hoistway.
- The mechanic tried to stop the cable with his foot and was struck by the cable causing minor injuries. He was sent to the hospital and then to Concentra to be examined by the workman's comp doctor.

Recommendations and Lessons Learned

Always follow the company safety policy.

Always perform a JHA/JSA

Always follow the company SOP

Always follow the MCP

Follow the appropriate repair manual procedures for marriage of ropes for the application. Reaving band/splices are preferred.

Use Reel Brake/Stop to control wire rope reels when roping and redropping

Possible Root Causes

- As the cable unspooled and started to go down the hoistway, the mechanic tried to stop the cable using his foot.
- Proper cable procedures were not followed.
- U-Bolts and Fist Grip Clips shall not be used for hoisting, rigging, roping splices or load bearing applications under any circumstance.

