



# IUEC INCIDENT SUMMARY

CLOSE CALLS & INJURIES

INJURY

SEPTEMBER 24, 2024

**Warning – Contains Graphic Image**



## Description of Incident

Control Type: Electric

Machine Type: Traction

Work Type: Modernization

Speed: 350 ft/min, Capacity: 3,000 lbs

Rise: 12 Floors

Hoistway Configuration: Duplex

JHA/JSA Completed: No

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- A repair crew was removing a drive sheave so it could be replaced
  - During the removal process, a section of outer circumference was fractured off the sheave
  - While the apprentice was trying to roll the sheave to a secure location, he lost control. The sheave fell towards the apprentice, causing him to fall with the sheave landing on his legs
  - The mechanic was able to lift the sheave off the apprentice to free his legs
  - The apprentice was taken to the ER for examination

### Current Status:

The apprentice suffered a knee injury which required surgery to repair. The apprentice will be out of work for at least three months for recovery.



## Recommendations & Lessons Learned

- Always follow the company safety policy
- Always perform a JHA/JSA as per company policy

### Possible Root Cause:

- Failure to consider how damage to the sheave would impact movement of the material
- Use teamwork or mechanical advantage for moving heavy loads
- Unstable loads and materials should be secured against tipping or overturning

### **Field Employees' Safety Handbook**

#### Section 12 Material Handling

##### 12.1 Manual Handling Lifting of Material

(a) When any heavy object is to be lifted and carried to another point, first inspect and clear the area and route over which the object is to be carried. Be sure nothing is in the way that might cause slipping or tripping.

(b) Inspect the object to be lifted to determine how it will be grasped. Make sure it is free of sharp edges, protruding nail points, slivers or other hazards that might cause injury to the hands or body. Wear appropriate gloves to protect hands. (See Section 3.)

