IUEC INCIDENT SUMMARY

CLOSE CALLS & INJURIES

CLOSE CALL

SEPTEMBER 6, 2024

Description of Incident

Control Type: Microprocessor
Machine Type: Hydraulic
Work Type: Repair
Speed: 130 ft/min, Capacity: 2,500 lbs
Rise: 3 Floors
Hoistway Configuration: Simplex
JHA/JSA Completed: Yes

- A repair crew was performing a Category 1 test on a twin post hydraulic elevator
- When the car was run onto the stop ring to verify the 480 PSI relief setting, the system reached a pressure of 440 PSI before the pressure dropped and the car descended uncontrollably onto the buffer springs
- After the elevator was hoisted and placed on pipe stands a follow up inspection was performed. It was determined that a Victaulic seal had failed, and the likely cause was a loose Victaulic coupling.

Current Status:
The elevator pit was cleaned, all necessary repairs were made, and the hydraulic system was tested

Recommendations & Lessons Learned

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

Possible Root Cause:

- Failure to inspect the hydraulic system for leaks or loose connections prior to performing a Category 1 test

Field Employees' Safety Handbook

Section 1 GENERAL SAFETY

1.1 Employee Responsibilities

(aj) Safety tests shall be performed in accordance with the procedures specified in the ASME A17.2 Guide for Inspection of Elevators, Escalators and Moving Walks

ASME A17.2

Part 2 Elevator - Machine Room Item 2.35
Part 5 Elevator – Pit Item 5.14

Photos Approved by IUEC Safety

April 28th 2025---IUEC Safety Stand Down Day