IUEC INCIDENT SUMMARY

CLOSE CALLS & INJURIES

CLOSE CALL

NOVEMBER 2023

Description of Incident

Control Type: Electric
Machine Type: Geared Traction
Speed: 450 ft/min
Capacity: 8,000 lbs.
Rise: Unknown
Hoistway Configuration: Simplex
JHA/JSA Completed: No

- A repair team was sent to a hospital to repair car doors that were knocked off the tracks while the elevator was in motion. This car is a priority elevator used for transporting patients in hospital beds and emergency equipment to the surgery department.
- After the team completed the repairs, they ran the car on normal operation to test the doors. When running at contract speed, the car rumbled and shook. Upon investigation, they found the worm shaft and ring gear were damaged.
- The new maintenance mechanic informed the repair crew the car always rode bad and made a lot of noise.
- The repair mechanic called his supervisor to report the problem and was told not to take the car out of service. The repair mechanic felt the elevator was unsafe and made the correct decision to remove the elevator from service with proper Lockout and Tagout procedures.

Current Status:
The car was restored to service after the ring gear, worm shaft, bearings and seals were replaced

Recommendations & Lessons Learned

- Always follow the company safety policy
- Always perform a JHA/JSA as per company policy
- Always Follow the Maintenance Control Program.

Possible Root Causes:
Improper maintenance of the hoist machine
Excessive heat caused by low oil

ASME A17.1/CSA B44 Elevator Code
Section 8.6 Maintenance, Repair, Replacement, and Testing

Maintenance Control Programs must be written in compliance with the manufacturer's specifications and the requirements of Section 8.6

All parts of machinery and equipment requiring lubrication shall be lubricated per requirement 8.6.1.6.2.

Maintenance, repair, replacement, and callback (Trouble Call) records shall be documented and remain available for viewing on-site for the most recent 5 years per requirement 8.6.1.4.

Photos Approved by IUEC Safety

April 28th 2024---IUEC Safety Stand Down Day