

IUEC INCIDENT SUMMARY

AUGUST 30, 2024 | CLOSE CALL



Description of Incident

A mechanic and an apprentice were performing a witnessed acceptance test on an electric elevator after completing a controller modernization.

After performing the full load safety test, the apprentice gained access to the car top so he could run down and measure the slide.

The apprentice ran the car in the down direction. When he released the enable and down buttons, the car continued in the down direction 10-12 feet until it crashed onto the buffers.

The inspector had the crew perform an emergency stop test and the car again crashed onto the buffers.

The elevator was removed from service until repairs were made.

Current Status: The braking system was repaired, and the hoist ropes were replaced before the elevator was returned to service.

Recommendations & Lessons Learned

Always follow the company safety policy.

Always perform a JHA/JSA as per company policy.

Always inspect the condition & operation of components before performing tests.

Possible Root Causes

Brake pads worn down to the rivets.

Hoist ropes in use beyond replacement criteria.

Over lubrication of hoist ropes reducing traction.

ASME A17.1/CSA B44 Safety Code for Elevators and Escalators

Brakes shall be maintained and tested per ASME A17.1/CSA B44 (see 8.6.4.6 and 8.10.2.2.2(v))

Steel wire ropes shall be maintained per ASME A17.1/CSA B44 (see 8.6.4.1). Precautions shall be taken in lubricating suspension steel wire ropes to prevent the loss of traction.

For additional guidance on drive machine brakes use A17.2 Item 2.17.



Control Type: Electric
Machine Type: Geared Traction
Work Type: Modernization
Speed: 200 ft/min
Capacity: 4,500 lbs
Rise: 110 Feet
Hoistway Configuration: Duplex
JHS/JSA Completed: Yes



IUEC SAFETY ALERTS

IUEC Safety Stand Down Day | April 28, 2025

PHOTOS APPROVED BY IUEC SAFETY

IUEC INCIDENT SUMMARY

SEPTEMBER 3, 2024 | INJURY



Description of Incident

Two mechanics used a forklift to transport hoisting and rigging equipment to the top floor of a parking ramp. After discussing the next steps of installation, one mechanic started to walk back to the hoistway as the other was beginning to return the forklift to the lower level.

The walking mechanic turned around and approached the forklift from behind to give the mechanic further instructions.

The mechanic operating the forklift did not see the other mechanic approach and when he turned the forklift, the rear tire ran over his foot.

Current Status: The mechanic will be out of work for several weeks recovering from a fractured ankle.

Recommendations & Lessons Learned

- Always follow the company safety policy.
- Always perform a JHA/JSA as per company policy.
- Never approach a vehicle from behind when it is in operation.

Possible Root Causes

Not establishing proper communication protocols

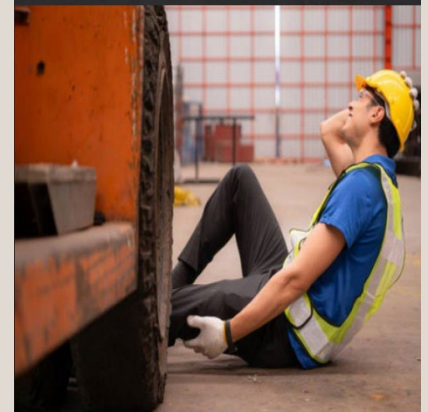
OSHA 29 CFR 1910.178 Powered Industrial Trucks 1910.178(l)(1)(i)

The employer shall ensure that each powered industrial truck operator is competent to operate a powered industrial truck safely, as demonstrated by the successful completion of the training and evaluation specified in this paragraph (l).



Control Type: Electric
Machine Type: Traction
Work Type: Construction
Speed: N/A
Capacity: N/A
Rise: N/A
Hoistway Configuration: Simplex
JHS/JSA Completed: No

Photograph is for representational purposes only



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