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## Learned Accident Abstract Safety Lessons

Accident Type: Improper lift and rigging

Injury: Cut to forehead

Damage: None

Type of Work: Relocating precast concrete vault lid

Equipment: Wheeled loader with fork attachment



### DESCRIPTION OF THE ACCIDENT:

A laborer/spotter while standing on the rear tire of a dump truck, utilizing a take up chain for rigging, was struck on the hardhat when an unsecured “D” ring slipped from a fork causing the rigging chain to forcefully strike the victim in the head knocking him to the ground.

### DIRECT CAUSE:

Positive latching device on rigging was NOT employed; EM 385-1-1 Rigging, 15.A.05 Positive Latching Device: *“When hoisting loads, a positive latching device shall be used to secure the load and rigging.”*

Only two of four available lift points on the vault lid were utilized thus causing the load to swing from a horizontal to a vertical position as it was being lifted.

### INDIRECT CAUSE:

Equipment manufacturer does not permit under fork lifting with this equipment; EM 385-1-1 Machinery and Mechanized Equipment, 18.G.06.c. *Machinery and equipment shall be operated in accordance with the manufacturer's instructions and recommendations.”*

### LESSONS LEARNED:

- 1) Applicable AHA’s must address all foreseeable associated risks.
- 2) On-site supervision needs to be proactively involved in developing and enforcing lift plans.
- 3) Personnel must properly use equipment, accessories and tools to safely accomplish tasks.
- 4) Positive latching devices are to be utilized in securing loads to rigging.
- 5) All available lift points are to be employed when lifting loads.
- 6) Use of PPE (hardhat) prevented a more serious injury or possible fatality.