

Crane and Forklift Safety

Field Overview

- **Powered industrial trucks are #8 in 2009 Top 10 OSHA Violations**
 - 1910.178 covers the design, maintenance and operation of powered industrial trucks, including forklifts and motorized hand trucks.
 - In 2009 there were **3,071** Powered industrial **truck violations**
- Best safety practices for cranes and industrial trucks suggest signs and tapes to mark hazardous areas and promote safe driving
- Improper handling of cranes and industrial trucks can result in serious injury or death



"I wonder how the forklift safety class is going?"

Crane Safety

- OSHA specifies crane hand signals must be displayed where a crane is in use

(OSHA 1926.550(a)(4))

- Out of Order signs must be placed on cranes being serviced
- In 2006, 72 fatalities were associated with Crane Accidents, nearly half by falling objects
- The March 2008 NYC crane collapse, the rigger was charged with manslaughter, criminally negligent homicide, reckless endangerment and second-degree assault in a crane accident that resulted in 7 deaths



Crane Safety Suggestions

- Posters with Crane Hand signals should be posted at worksite
- Label areas with overhead power lines to protect employees below
- Mark areas to alert employees about overhead cranes
- Alert employees to areas where there may be falling materials



PST110



D550



D596



D37

Industrial Lift Trucks

29 CFR OSHA 1910.178

- Truck operators must comply with posted speed limits
- At intersections, drivers should sound horns to warn pedestrian traffic of lift truck
- Why is this important:
 - Speed limit signs should be posted to alert drivers
 - Sound horn signs should be posted at all intersections
 - Forklift Traffic signs should be placed in high truck areas to alert pedestrians



Industrial Lift Truck Best Practices

OSHA suggests these additional measures to ensure employees' safety

- Overhead clearance should be marked to prevent hitting or damaging overhead items such as lights, stacks, doors, sprinklers, pipes



D456



C359



Industrial Lift Truck Best Practices

- Tapes can be used to mark clearance areas, such as loading docks, to prevent accidents
- Tapes can also be used to mark pedestrian walkways



Industrial Lift Truck Best Practices

- Load capacities should be marked to prevent lift trucks from entering unsafe areas



C547



M355



For more information

- [OSHA 1926.550](#) – Crane/Derrick Regulation
- [OSHA 1910.178](#) – Industrial Lift Truck Regulation
- [OSHA's Industrial Trucks best practices](#)

Or contact National Marker at 800.453.2727