Overhead Shop Crane Safety Stats and Facts

FACTS

- 1. Cranes are usually the largest piece of equipment on any industrial site. More accidents are caused by cranes than any other piece of equipment.
- 2. Cranes buckle or collapse from excess weight. Each crane comes with strict weight limits, but construction supervisors can either ignore these limits or remain ignorant of them, which leads to a crane accident.
- 3. Crane accidents are tied to poor training or rushed construction jobs.
- 4. Major causes of crane accidents are:
 - Use of crane for purposes outside of the manufacturer's specifications.
 - Improper crane selection.
 - Poor weather.
 - Improper crane set up.
 - Falling debris or other hazardous conditions surrounding the crane.

STATS

Crane accidents are often the direct result of negligence of the crane-related professional or the lack of adequate operator training or experience.

- 90% of crane accidents occur due to human error.
- 80% of all crane upsets are attributed to operators exceeding the crane's operational capacity.
- 54% of these incidents are the result of swinging the boom or making a lift without the outriggers full extended.
- 45% of all mobile crane accidents involve electrocution that

results from the crane contacting a power source during operation.

- 40% the victims were struck by an object (such as an uncontrolled hoisted load or crane part).
- 50% of U.S. crane accidents that had injuries in 2009 resulted in fatalities.
- 80 lift and material handling equipment workers are killed each year, on average.