Health & Safety Life Book



Cranes and Lifting – Floor Operated Overhead Crane Operations

The lifting Team

- 1. The <u>crane driver</u> must be trained and have a written valid authorization to drive the crane.
- 2. The **rigger** must be trained.
- 3. A <u>signaler</u> is needed when the crane driver cannot see the load, the load landing area, the path of travel of the load or when the crane is far enough away from the load to make the judgment of distance difficult. He must be trained.

The lifting Equipment (crane)

- At the beginning of each shift the crane driver must conduct the crane pre-use inspection. The results must be documented in a checklist.
- The crane shouldn't be operated when a safety equipment has been identified as inoperable or defective.
- The crane must be fitted with a audible or a visible travel alarm.
- When a crane is operated outside, it can't be used in case of hazardous weather (excessive wind, fog...).

The lifts

- The lift must have been categorized (high/abnormal, standard or low risk lift).
- If it's a high risk lift, a lifting plan must had been written involving crane operator and rigger.
- The path of the load must be clear of obstacles and people.

Rigging

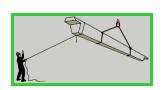
- The rigger must know approximately the weight of the load and the crane Working Load Limit and make sure the crane can carry the load.
- He must select the appropriate rigging devices:
 - 1. Their rating capacity must be sufficient to carry the load.
 - 2. The rigger must inspect them to make sure they are not damaged.
 - 3. Each rigging device must have its ID number and load rating capacity clearly marked.
- Hooks must be fitted with safety latches except where a Risk Assessment and Hazards Identification indicates otherwise.
- To make a level or stable lift, the crane or hook block must be directly above the load center of gravity before the load is lifted.

People on the ground safety

- As the crane is operated from the floor a specific attention must be paid to the crane operator's safety.
- The load must never be moved above or to close from people.
- People must never stand between the moving load and a fixed point where they can be crushed.



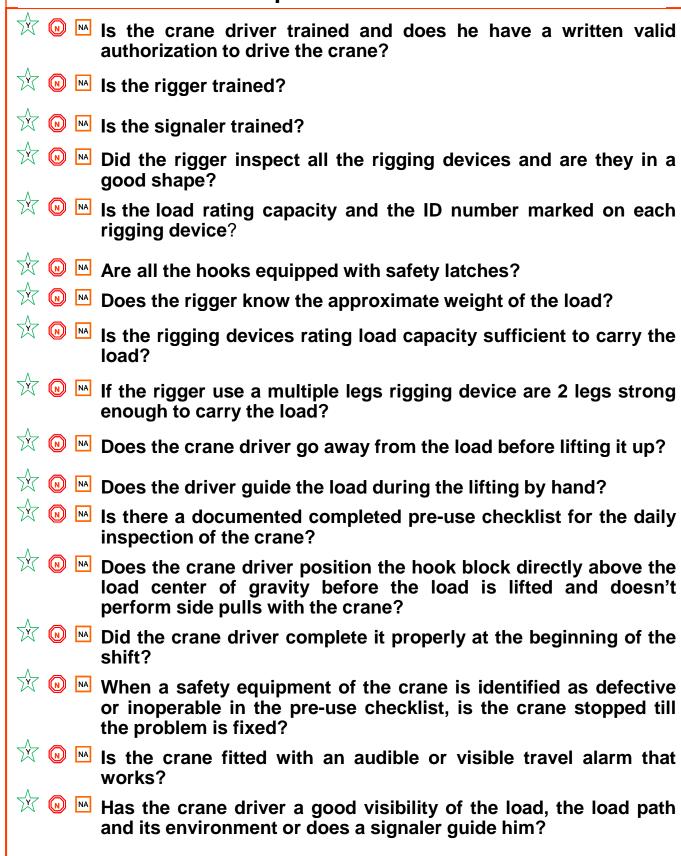




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Required checklist



This document has to be used as a help before starting the work or performing a SFA

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Cranes & Lifting

AM ST 007 - 002
p. 2