

## Safety Flash 10

### Accident Description

A heavy lift crane had a foundation failure with subsequent over-turning while operating in a Construction Yard. The accident is outlined in the attachment.

### Lessons to be learned

The main lessons to be learned could be summarized as follows:

- 1. Always know the weight of the object** before a lift is made.
- 2. Assess the Lift Plan** - boom angle / radius / weight / size of crane required / number of cranes required - built in safety margin.
- 3. Select the appropriate Lift Crane/s** - size - type / mobile / crawler- confined space - type of foundation - swing area - walk with the load.
- 4. Verify that Foundation is firm and capable of supporting the load** being generated by the Planned Lift – requirement for soil compaction test - need of crane mats / plates to be assessed.
- 5. First initial Lift made and held a half meter off the ground** - thorough check of all foundation support, rigging, lift radius / plan, crane stability / track-outrigger movement.







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P&H







