



Work Safety Alert Overturning of a Crawler-mounted Piling Rig

1. **Date of Accident :** September 2016
2. **Place of Accident :** A building construction site
3. **Summary :**

A crawler-mounted piling rig overturned in the course of lifting, with its telescopic boom rested on the site hoarding.

4. Work Safety Alert for Proprietors/ Contractors:

To ensure the safe use of piling rig in lifting operation, the proprietor/ contractor should provide and maintain a safe system of work which should include, but not limited to, the following:

- appointing a competent person to conduct task-specific risk assessments, taking into account the size and weight of the loads, the operation of the piling rig and the working environment, in identifying all potential hazards associated with the lifting operation;
- formulating appropriate safe work methods and procedures for the lifting operation with due regard to the results of risk assessments, including the implementation of a lifting plan covering the selection of suitable plant, consideration of proper siting of the plant as well as the competency of the personnel involved;
- appointing a competent and experienced lifting supervisor to take control of the lifting operation to ensure that all risks are effectively managed;



- ensuring that the piling rig is certified to be in safe working order prior to operation through tests and thorough examinations by a competent examiner and regular inspections by a competent person; and in case it is used for lifting loads, such tests and thorough examinations are conducted under the requirements of a crane;
- ensuring that the piling rig is fitted with an effective automatic safe load indicator if it is used as a crane for lifting loads;
- ensuring that the piling rig is operated by a person who holds a valid certificate relevant to the type of the plant and is competent to operate the plant by virtue of his experience if it is used as a crane;
- demarcating and barricading a zone for the lifting operation and practicing strict access control measures with suitable warning notices posted in the vicinity to block unauthorised entry into the zone when lifting operation is in progress;
- providing all necessary safety information, instruction and training to the piling rig operator and the workers/ employees involved to ensure that they are familiar with the safe work procedures and safety measures; and
- establishing and implementing an effective monitoring and control system to ensure that the above safety measures are strictly followed and all relevant legislation is fully complied with.

5. Reference :

- [Safe Systems of Work](#)¹
- [Five Steps to Risk Assessment](#)¹
- [Five Steps to Information, Instruction and Training](#)¹
- [Code of Practice for Safe Use of Mobile Cranes](#)¹

¹ Click to view document



- [Guidance Notes on Inspection, Thorough Examination and Testing of Lifting Appliances and Lifting Gear¹](#)

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Note: The material contained in the Alert is not exhaustive, and will be supplemented/adjusted where necessary if more relevant information comes to light.