



Work Safety Alert

Struck by a load fallen from an Overturned Truck-mounted Crane

1. **Date of Accident :** August 2017
2. **Place of Accident :** At roadside adjacent to a construction site
3. **Summary :**

A truck-mounted crane overturned during a lifting operation, causing a heavy plant placed on its deck fallen out which struck the crane operator to death.

4. **Work Safety Alert for Owners/ Contractors/ Employers:**

To ensure the lifting operation by a mobile crane is safe, the crane owner/ contractor/ employer should provide and maintain a safe system of work which should include, but not limited to, the following:

- appointing a competent person to conduct a task-specific risk assessment to identify all potential hazards associated with the lifting operation, taking into account all relevant factors including the size and weight of the loads, ground conditions and the working environment in the vicinity;
- formulating a lifting plan with due consideration to the risk assessment results, including the selection of a suitable crane/ lifting gears, proper siting of the crane as well as the competency of the workers involved;
- appointing a competent lifting supervisor for overall control of the lifting operation;
- ensuring that the mobile crane has been certified in safe working order through tests and thorough examinations by a competent examiner and regular inspections by a competent person before it is put into operation;



- ensuring that the mobile crane is checked and maintained regularly in accordance with the manufacturer's instructions to ensure it is in good construction and safe for operation;
- ensuring that the mobile crane is not used unless it is fitted with an automatic safe load indicator that functions properly and that the crane will not be used beyond its safe working load;
- observing manufacturer's recommendations and instructions to ensure the stability of the mobile crane, such as levelling, extension of outriggers and restricting lifting operation within the specified working ranges of the jib;
- exercising stringent control measures to ensure proper setup of outriggers;
- siting the mobile crane on solid ground and using suitable mat or timber blocking with area of at least three times of the outrigger's float for complete and secure support of the float;
- ensuring that the mobile crane is only operated by a person who holds a valid certificate relevant to the type of the crane;
- providing crane operators and workers/ employees involved in the lifting operation with adequate information, instruction and training in respect of the safe system of work for crane operations; and
- establishing and implementing an effective monitoring and control system to ensure strict compliance with all the above safety measures.

5. Reference :

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

¹ Click to view document



- [地盤意外個案簡析系列 – 流動式起重機](#)¹ (Chinese Version only)

DISCLAIMER

This Work Safety Alert (“the Alert”) is issued at the earliest possible opportunity after a serious accident with a view to drawing the attention of interested parties to the general safety precautionary measures necessary to protect people engaging in similar work activities. The material contained in the Alert constitutes general guidance only. It does not reduce, limit, or replace, any legal obligations upon any person to comply with any statutory duties under relevant legislation. Users such as Managers and Supervisors should make their own evaluation of the information contained in the Alert to determine if it can be applied to their own situations and practices. The Labour Department does NOT accept any responsibilities for any loss or damage resulting from the use of or failure to use of the information on the Alert.

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