



**Work Safety Alert**  
**Trapped by a Load on the Loading Platform**  
**of a Truck-mounted Crane**

1. **Date of Accident :**   October 2015
2. **Place of Accident :**   A civil works site
3. **Summary :**

A worker staying on the loading platform of a truck-mounted crane to assist the lifting of a metal cage was trapped between the cage and the vertical metal frame behind the driving cabin of the crane, who passed away subsequently.

4. **Work Safety Alert for the Proprietors/Employers:**

To prevent workers from being struck/ trapped by objects during lifting operation with the use of a mobile crane, the owner of the crane/ employer should provide and maintain a safe system of work which should include, but not limited to, the followings:

- appointing a competent person to conduct task-specific risk assessments taking into account the size and position of the loads, slinging methods and working environment to identify all associated hazards;
- formulating safe work methods and procedures for lifting operation with due regard to the results of the risk assessments;
- ensuring the mobile crane is certified to be in safe working order before it is used through periodic tests and thorough examinations by a competent examiner and regular inspections by a competent person;



- appointing a competent lifting supervisor to oversee and control the lifting operation;
- demarcating a danger zone for the lifting operation and exercising strict access control measures with suitable warning notices displayed at conspicuous positions to prevent unauthorised man-entry into the zone during the lifting operation;
- as far as practicable avoiding any person staying on the loading platform of the mobile crane while the crane is in use; otherwise ensuring any jib movement and lifting operation will not endanger the person;
- ensuring that the mobile crane is only operated by a person who holds a valid certificate and is competent to operate the crane by virtue of his experience;
- engaging a signaller to give effective signals to the operator who does not have a clear and unrestricted view during operation;
- ensuring that an effective communication system, among all personnel involved in the lifting operation, is in place throughout the lifting operation;
- providing the operator and the workers involved with necessary safety information, instruction and training 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 strict and full compliance with all the above safety measures.



## 5. Reference :

- [Five Steps to Risk Assessment](#)<sup>1</sup>
- [Safe Systems of Work](#)<sup>1</sup>
- [A Guide to the Factories and Industrial Undertakings \(Lifting Appliances and Lifting Gear\) Regulations](#)<sup>1</sup>
- [Code of Practice for Safe Use of Mobile Cranes](#)<sup>1</sup>
- [地盤意外個案簡析系列 – 流動式起重機](#)<sup>1</sup> (Chinese Version Only)
- [Five Steps to Information, Instruction and Training](#)<sup>1</sup>

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### 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.

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<sup>1</sup> Click to view document