



## **Work Safety Alert** **Crushed by a Collapsed Vehicle under Repair**

**1. Date of Accident :** November 2016

**2. Place of Accident :** A storage yard

**3. Summary :**

A mechanic was crushed by a collapsed vehicle under repair while he was working underneath its chassis. He sustained serious bodily injuries and passed away three days later.

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

To ensure the safety of workers/ employees engaged in vehicle repairing work underneath the vehicle chassis, the proprietors/ employers 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 in identifying all potential hazards associated with the repairing work, taking into account the working environment and the equipment involved (such as vehicle jack);
- formulating safe work methods and procedures for the repairing work with due regard to the results of risk assessments, particularly for work underneath a vehicle;
- ensuring that the vehicle under repair is parked on a firm and level surface, and the handbrake is applied before it is raised for repairing;
- using suitable equipment such as a vehicle jack of sufficient capacity to raise the vehicle if required;



- using axle stands to support the vehicle instead of vehicle jacks after the vehicle has been raised to a suitable position;
- ensuring that axle stands are not loaded in excess of their carrying capacity and are securely located under the correct supporting points of the vehicle to prevent accidentally slip or fall;
- ensuring that the vehicle wheels on ground are securely chocked;
- prohibiting any persons working beneath a vehicle that is only supported on vehicle jacks;
- implementing a comprehensive maintenance plan for all equipment involved in vehicle repairing work in accordance with the manufacturer's instructions, including vehicle jacks and axle stands, to ensure that they are properly maintained in good working condition;
- providing all workers/ employees concerned with the necessary safety information, instruction and training, and ensuring that they are familiar with the safe work procedures and safety measures; and
- establishing and implementing an effective monitoring and control system to ensure all safety measures are strictly followed.

## 5. Reference :

- [Five Steps to Risk Assessment](#)<sup>1</sup>
- [Safe Systems of Work](#)<sup>1</sup>
- [Five Steps to Information, Instruction and Training](#)<sup>1</sup>

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



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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.