



Work Safety Alert **Struck to Death by Bursting of an Aircraft Tyre**

1. **Date of Accident :** March 2016
2. **Place of Accident :** A loading area of an industrial building
3. **Summary :**

While two workers were unpacking aircraft tyres at a loading area of an industrial building, one of the tyres suddenly burst. As a result, one of the workers standing at some distance away sustained serious injury and was certified dead on the same day.

4. Work Safety Alert for Proprietors/Employers :

To ensure the safety and health of workers/ employees engaged in handling of tyre/wheel assemblies of aircrafts, the owner of tyre/wheel assemblies/ proprietor/ employer should provide and maintain a safe system of work during the preparation and conduct of respective tasks 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 handling of tyre/wheel assemblies of aircrafts, taking into account the condition of the tyres/wheels and their assembly quality and the working environment, etc;
- formulating safe work methods and procedures for handling of tyre/wheel assemblies with due regard to the results of the risk assessments, the manufacturer's instructions and recommendations as well as the relevant Aircraft Maintenance Manual;



- establishing and implementing an effective coordination/ communication mechanism with the clients/ owners of the tyre/wheel assemblies to ensure that any pressurised components of the tyre/wheel assemblies are de-energised by complete deflation before delivery;
- putting in place a stringent control and monitoring mechanism to ensure that the tyres have been completely deflated before the commencement of any work, including conveyance work;
- assigning a competent person to check the condition of tyre/wheel assemblies and to ensure the complete deflation of any pressurized tyres;
- ensuring that the transport vehicle and the storage area should be clean and tidy, and free from any objects which may cause damage to the tyres;
- clearly communicating with all workers/ employees concerned about the hazards associated with the handling of tyre/wheel assemblies, including bursting of tyres;
- providing all workers/ employees concerned 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 :

- [Safety Hints for Heavy Vehicles Tyre Demounting and Inflation Work¹](#)
- [Safe Systems of Work¹](#)

¹ Click to view document



- [Five Steps to Risk Assessment](#)¹
- [Five Steps to Information, Instruction and Training](#)¹

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.