



Work Safety Alert
Electric Arc Welding Work in Vehicle Repair Workshop

1. **Date of Accident :** July 2012
2. **Place of Accident :** A vehicle repair workshop in Tai Po
3. **Summary :**

It is reported that a worker was suspected to have electrocuted while conducting electric arc welding work to the chassis of a lorry.

4. Work Safety Alert for Proprietors/Employers :

To avoid the risk of electrocution in undertaking electric arc welding work, proprietors/employers should ensure that:

- a competent person is appointed to conduct a risk assessment and formulate safe working procedures for the electric arc welding work;
- the electric arc welding equipment is well designed and constructed, and properly maintained;
- welding cables are properly placed and protected;
- direct contact with live parts of the electric arc welding equipment and workpieces is avoided;
- the work environment is free from accumulation of water;
- suitable personal protective equipment is provided and used by the workers;



- workers are properly trained and have the relevant knowledge and experience; and
- adequate management control and effective supervision are in place.

5. Reference :

- [A Guide to the Factories and Industrial Undertakings \(Electricity\) Regulations¹](#)
- [Code of Practice: Safety and Health at Work for Manual Electric Arc Welding¹](#)
- [Guide for Safety at Work - Electric Shock Hazard of Manual Electric Arc Welding Work¹](#)
- [《電力工作意外致命個案集》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.

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