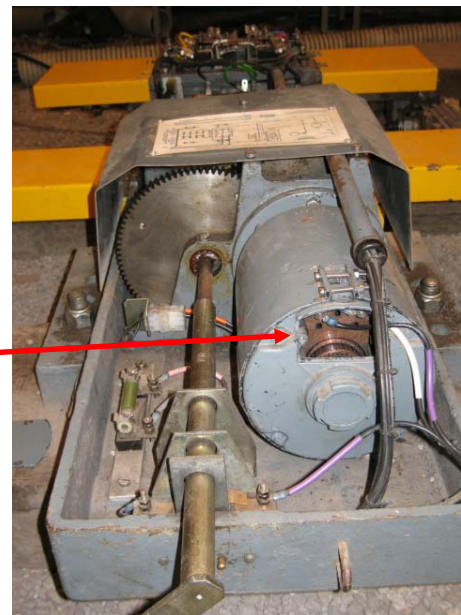
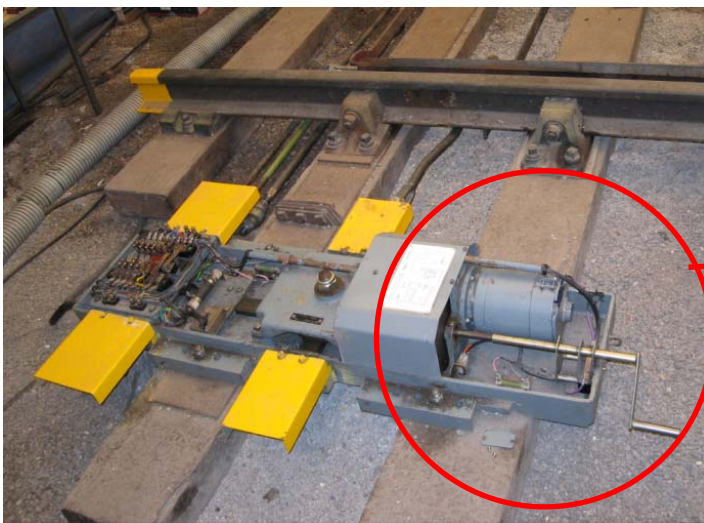


07th July 2009

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Infrastructure Group Safety Bulletin

HW Point Machine maintenance to SMS PC05 and use of Hytec Plus Contact Cleaner



A small number of incidents have been experienced during routine maintenance work on the motor / drive mechanism of signalling points equipment caused by the ignition of flammable vapours.

Signalling Maintenance Specification PC05, Step 7.1 requires that the motor commutator is examined, rotated and cleaned with a lint free, clean cloth moistened with a suitable cleaner. The practical method by which this is achieved (as included at training courses and endorsed by professional Signal Engineers) is that the cleaner is sprayed direct from the aerosol can onto the commutator and then wiped before the points are turned.

As the points are turned, electrical sparks have been igniting vapours from the Hytec Plus Contact Cleaner still present around the equipment causing a short flash of flames.

There were no such issues with the previously supplied Supersolve Contact Cleaner.

Action to be taken

- **Hytec Plus Contact Cleaner must be removed from use** as soon as reasonable practical and replaced with previously supplied more inert cleaning products
- Where Hytec Contact Cleaner temporarily remains in use staff are instructed to **wait for at least 1 minute before any point activations** are conducted (allow fumes to disperse to air)

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