

Pressure Systems

SA Number	SA422	Safety Alert Issue Date	18-09-25
Date of incident	02-09-25	Incident type	Dangerous Occurrence
Time of incident	To be confirmed	Location	To be confirmed

Summary of Incident

During the installation of ground anchors using a rotary drilling rig there was an excessive build-up of pressure resulting in the failure of a non-return valve. The incident was reported as a failure of a pressure system classified as a dangerous occurrence under RIDDOR

Lessons Learnt

Pressure systems must follow UK Legislation including the Pressure Systems Safety Regulations 2000.

Mixing equipment (like air and water systems) without approved design and controls can be hazardous.

Safety valves must be correctly rated and maintained.

Operators must be trained and equipment must be inspected before use.

Corrective Actions Taken

The plant coordinator reviews the scope of work and checks whether the equipment is suitable by consulting the Health & Safety and Site Solutions/plant department teams. If equipment is to be combined, such as air and water systems, an approved design must be available, and a clear setup procedure must be written and followed. Where there are changes to the system or equipment, the plant coordinator must seek advice from the Health & Safety and Site Solutions/plant department teams. The plant coordinator is also responsible for ensuring that workers are trained and competent, with any extra training recorded in the SF203 training register. In addition, a competent person must carry out an initial inspection, and regular maintenance must be recorded using the MC04 check sheet in line with the supplier's instructions

Photographs/supporting information

Still from the CCTV of the incident



Final position of brass cap beside canal barge in public area



Link to [SA422](#)

LL422

Date of issue: 18-09-25

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