

## Sudden disconnection of pressurised hose

Safety Flash Published on 17 December 2024 Generated on 10 January 2025 IMCA SF 24/24

A contractor was performing maintenance on the bulk cargo methanol system on deck of a vessel.

### What happened?

Residual water was being pumped out from a cofferdam when a pressurized hose suddenly disconnected. The system pressure was approximately 5.9-6 bar, creating a potential risk of injury to personnel. Fortunately, no one was in the line of fire, and no contact was made. There were no injuries or property damage from this incident.

### What went wrong?

- There was no secondary securing system – no whip check arrestor – installed, even though this was specified in the task risk assessment.
- No-one checked the equipment before starting the job.
- No-one stopped the job.
- The hose end coupling itself appeared as worn out, and this was unnoticed.
- There were no whip arrestors and hose tail couplings available, neither on the vessel or with the contractor doing the work.

#### IOGP Life Saving Rules:



Bypassing safety controls



Line of fire



Disconnected hose end connection



Showing pump

### Lessons to learn

- Ensure there is sufficient equipment and spares on board to do a safe job – the lack of even a very small part can lead to something being unsafe.
- Ensure pressurised hose connectors have secondary securing – whip arrestors.
- Check your equipment before you start work – it only takes a few seconds. Check the condition of hose end couplings on pressurized equipment, and identify any wear or damage that could compromise their integrity during usage.

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