

SAFETY ALERT

MOORING BOLLARD FAILURE (HiPo)



DETAILS OF THE INCIDENT

Contractors were engaged to carry out mooring of a ship as it came alongside a wharf.

As the ship was approaching, the mooring team on the wharf took the rope to enable the stern / rear of the ship to be pulled alongside. The rope was attached to a bollard on the wharf edge and the ship proceeded to pull on the rope to bring the stern in. As tension increased in the rope the bollard failed and was pulled into the water.

There was no injury but the individual who attached the rope could have been seriously injured by the detached bollard.

HOW COULD THIS HAVE BEEN AVOIDED

- The bollards should have been replaced in accordance with the earlier inspection report.
- The bollard that failed should have been identified as out of use.

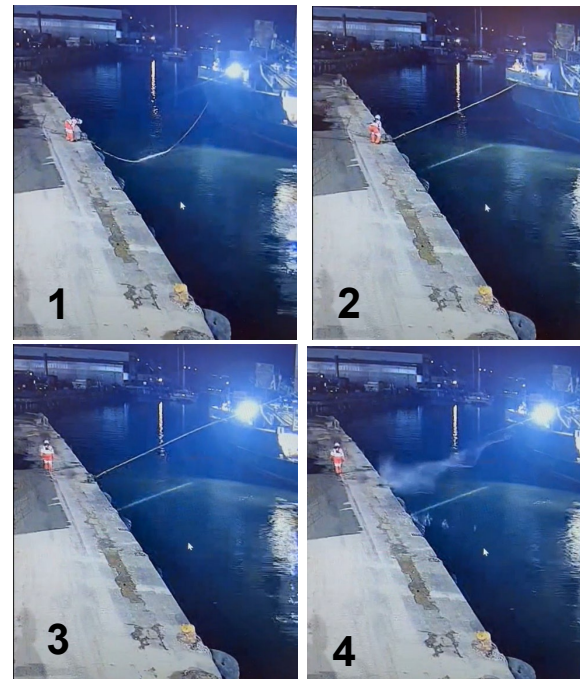
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KEY REVIEW POINTS

- Are mooring bollards periodically inspected?
- Are required remedial actions logged in the same way as structural defects and tracked until resolved?
- In the event of weakened structures are they isolated, with appropriate interim controls in place and, in this case, removed from use?

KEY FINDINGS

Structural Integrity	The bollards had been inspected 4 years previously and found to be structurally unsound with the failed bollard identified as “not fit for purpose”.
Isolation of Equipment	The failed bollard was not supposed to have been used, but had not been marked as out of service.
Inspection & Maintenance	There was no formal inspection and maintenance scheme for quayside bollards.
Instruction & Training	The mooring team had not been instructed that the failed bollard should not be used.



The failed bollard in 2020

Look after yourself and each other



Don't let anyone act unsafely, always stop unsafe practices.

Tools and Equipment



Use the right, well maintained, tools/ equipment for the job. Never make do.

Safe Systems



Follow safe systems of work, site rules, signage and traffic signals.



STOP THINK ACT