# High potential near miss dropped object

Safety Flash Published on **13 February 2020** Generated on **28 January 2026** IMCA SF 05/20

**IOGP Life Saving Rules:**

- Line of fire
- Safe mechanical lifting

## What happened?

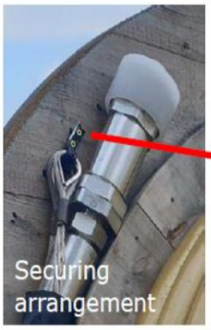
During trans-spooling of 1½" hydraulic jumper from a wooden reel to a subsea carousel, the second end termination head of the hydraulic jumper pipe released from the reel and fell to the floor.

The end termination head, weighing 11 kg, fell from approximately 3 metres down to the floor. It released during spooling of the first two of several layers.

The securing arrangement consisted of a rubber covered metal band that was fastened to the wooden reel with 2 wood screws.

Five people were working nearby and were in the line of fire; the end termination head missed them and there were no injuries.

Our member noted that a similar incident happened in 2017.




Picture 1 shows how 2nd end termination head end was secured

Picture 2 showing the transpooling location and task

## What went wrong?

- This specific risk was highlighted in the task plan; however, the task plan was not properly followed on site before conducting the operation.
- The hazards of potential dropped objects were not properly addressed to personnel involved in the pre-job toolbox talk (TBT) and task risk assessment.
- Some personnel involved in the work were not trained in this type of work.
- The distance between the reel and the carousel was too short to allow for the people operating the reel, to attach the wire to the jumper and keep a safe distance from the reel when rotating.
- The securing arrangement for the heads, in this case wooden screws, was inadequate. Additionally, a second barrier was not considered necessary.

## What actions were taken?

- Termination heads on reels should be highlighted as potential dropped objects in the task risk assessment (TRA). A second barrier should be added before spooling if proper engineered solutions are not in place.
- Working closely to a rotating reel should be considered a high risk which should be properly mitigated.
- All personnel should be trained for the task they are performing. If there are uncertainties regarding their competence, a competence assessment should be conducted beforehand.

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