

Potential Dropped Object -13 September 2017

UK Area

Agenda



- Look at a near miss incident with a high potential.
- Examine some of the learning points.
- Ask whether secondary retention should be implemented for the Antiluce catch.

What happened?



- Expro rented 2 x third party spooler units for an offshore job.
- Cable was spooled onto the units by Expro at Expro's Aberdeen base.
- Loaded onto boat on 11 September 17.
- Arrived at the offshore installation on 13 September 17.
- While being lifted aboard installation, crew noticed a door was open.

What happened?



- Spooler units have compartments for accessing mechanism.
- These compartments can also be used for storage.
- Doors checked at Expro Base and the Docks before being loaded onto the supply boat.
- Doors were adjudged to be securely closed with an antiluce drop catch.

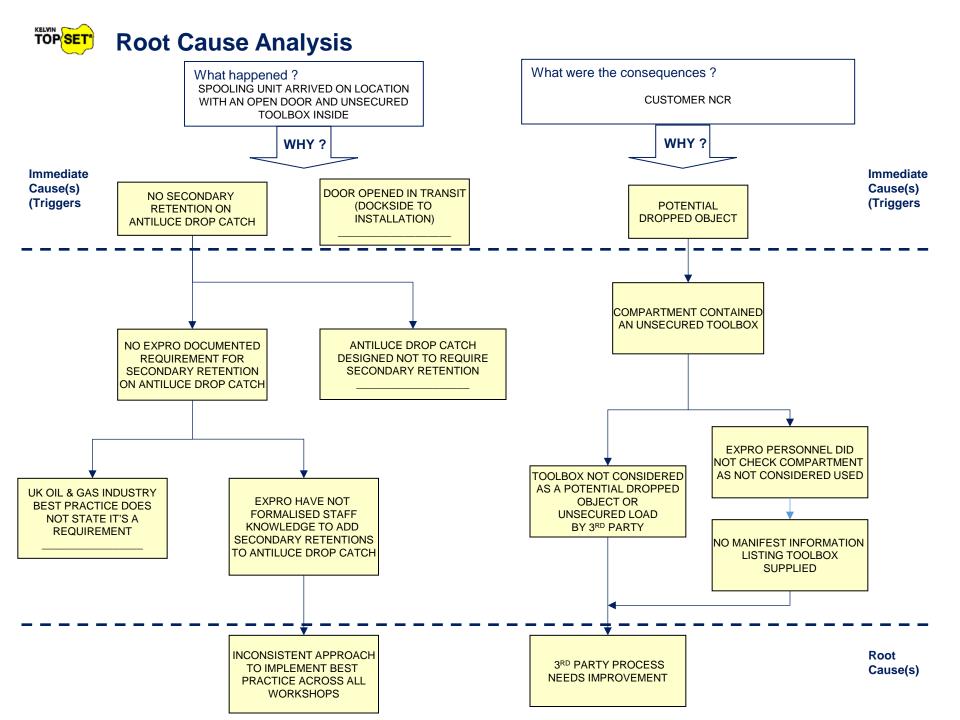


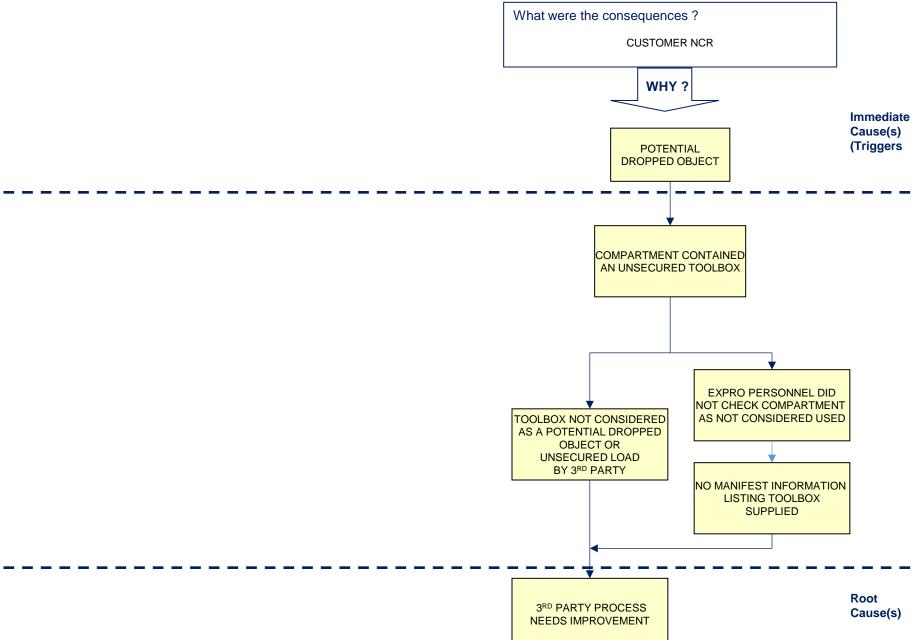
What happened

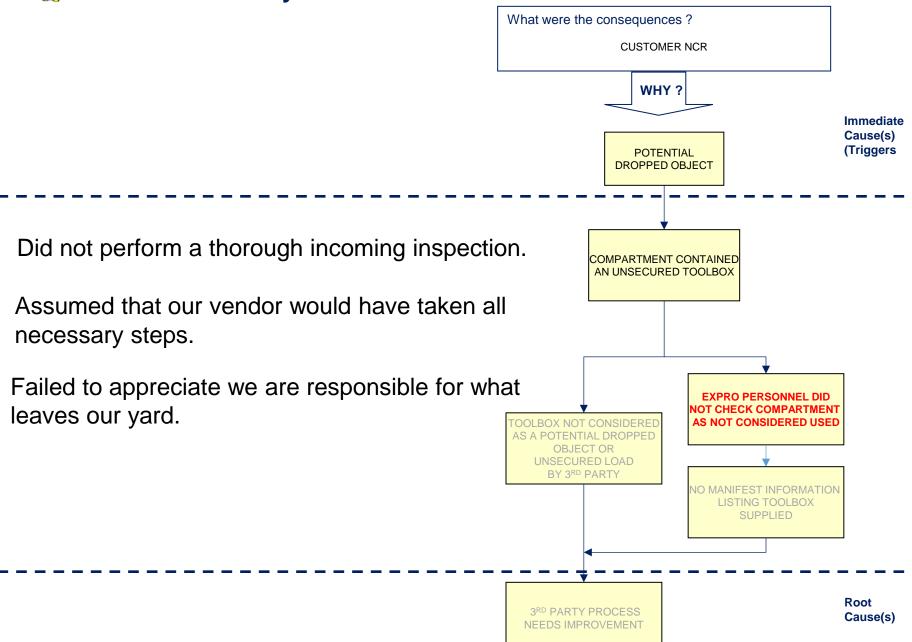


- One door was open when spooler lifted from boat to installation.
- Unsecured toolbox was found inside the compartment.
- Toolbox was supplied by the third party without the knowledge of Expro.





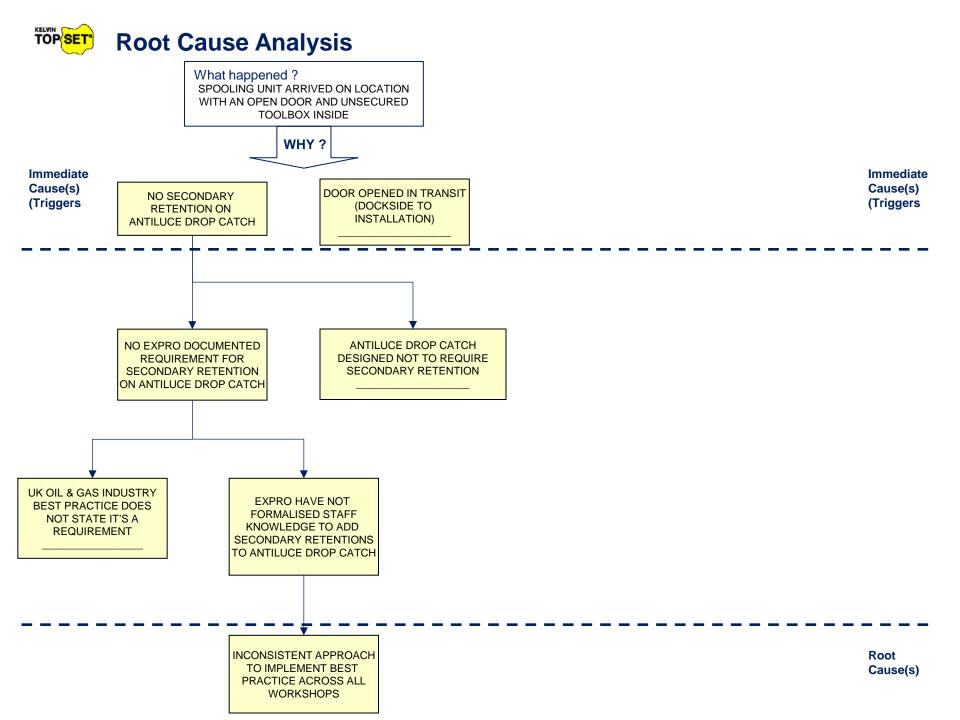




Root Cause Analysis



- Need to ensure we understand the kit we hire
- Need to inspect the kit we hire
- Need to ensure the kit we hire is safe for transport



What happened

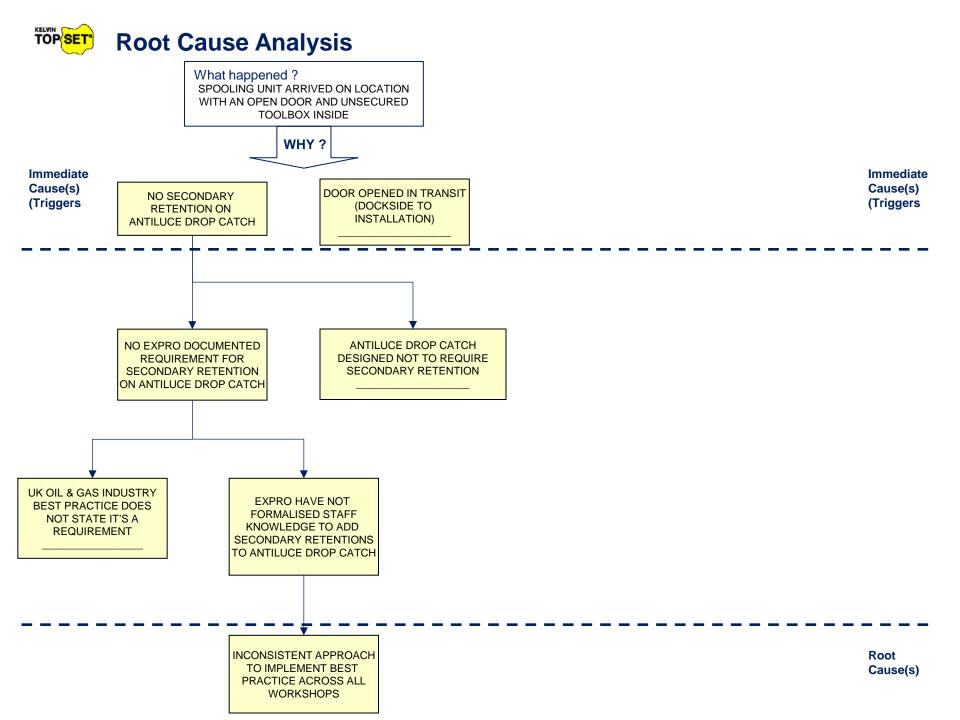




Antiluce drop catch



Antiluce drop catch in use

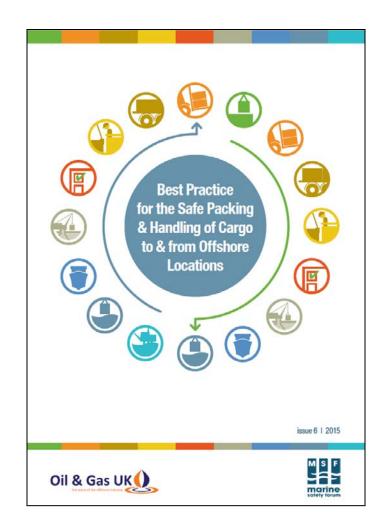


Antiluce Drop Lock



- The antiluce drop catch is designed not to require secondary retention.
- It does not appear in the O&G UK best practice as requiring secondary retention.





Antiluce Drop Lock



- Prior to the incident Expro had been looking a secondary retention options.
- There was no documented requirement within Expro to do so at the time.



- Considered: lynch pins; r-clips; spring / roll / nappy pins and other options.
- All pictured above could be easily knocked off or spring open at height causing further drops issues.

Antiluce Drop Lock



Current solution is a cable tie.





- At time of incident there was no documented requirement for cable tie or other secondary retention.
- Cable ties had not been applied to the spoolers.
- 2 in-house checks did not pick this up due to lack of documented requirement.

Remedial Actions



- Following the incident:
- Secondary retention MUST be in place on all units with antiluce drop locks for both outward and inward transportation.
- Our third party lifting Engineers have been instructed to check for secondary retention on drop catches.
- Recommended size of the Tie-Wrap is between 4.7mm and 13.2mm for drop locks.

Conclusion



- Need an understanding of the kit you hire
- Perform through incoming inspection
- Secondary retention is important as primary retention may fail

Questions:



- How did the drop lock come undone on the boat?
- Should all antiluce drop catches in the oil industry have secondary retention?
- Is there a better solution than the cable tie?