



Safety Alert

Number: 17-12

Published: 25/09/2017

Subject: Dropped Object Whilst Re-Positioning Cargo





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- Identified causes:
 - Left side grating:
 - one clip was correctly fitted
 - Right side grating:
 - all four clips were loose
 - One clip was bent



Energy
Logistics



Looking at things differently





Lesson learned – Type of fastening



- Identified causes:
 - Left side grating:
 - one clip was correctly fitted
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 - all four clips were loose
 - One clip was bent



Lesson learned – type of fastening



<https://www.youtube.com/watch?v=IKwWu2w1gGk>



Lesson learned – type of fastening





Lessons learned – tank height





Lessons learned – forklift pockets



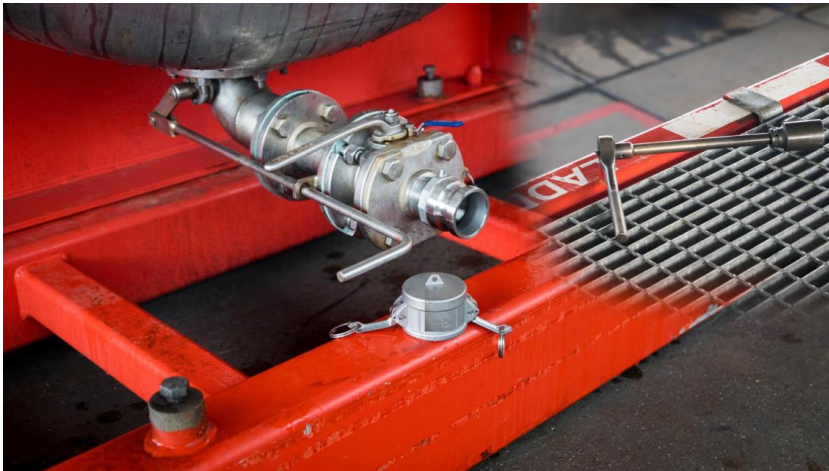
Steel



Stainless steel



Lessons learned – Loose objects



Stainless steel slings (4mm)



Lessons learned – manhole cover



Peterson Safety Large (PSL)

UN T7/T11 Offshore chemical portable tank



LESSONS LEARNED



loosening rust plates
Standard steel forklift pockets, resulting in loosening rust plates



loose objects
Non-secured dustcaps, resulting in leaving behind loose objects



manhole cover requiring tools
Expensive (EX) tools required, risk of damage to gaskets and leakages due to much force



poor visibility
Poor visibility of tank identification number and dangerous goods safety signage



Leakage
Loosening nuts, resulting in possible high potentials (incidents) such as dropped objects and spillages



WE HAVE



stainless steel forklift pockets
Prevents rust and therefor loosening rust plates (dropped objects)

PSL All tanks
✓ ✓



loose objects prevention
All caps are secured with 4mm stainless steels slings, preventing the potential of leaving behind loose objects

PSL All tanks
✓ ✓



6-point hand fastening man-lid
Requires no tools and reduces the potential of leaving behind "loose objects"

PSL All tanks
✓ ✓



Enhanced visibility
Better placard brackets and contrasting colour scheme to enhance visibility of tank identification number and dangerous goods safety signage

PSL All tanks
✓ ✓



Self-locking bolts
All bolts and nuts connections are self-locking. Preventing loose objects and potential leakages

PSL All tanks
✓ ✓

TRUST WELL PLACED

Peterson Safety Large (PSL)

UN T7/T11 Offshore chemical portable tank



Height: 1,799 mtr

No need to work at height anymore, any "loose objects" can be spotted easily.

Capacity: 5000 ltr.
Width: 2,44 mtr
Length: 3,00 mtr
Height: 1.79 mtr
MGW: 12,000 kg
Tare: 3,400 kg
Payload: 8,600 kg

DNV2.7.1 / British standard EN12079 Certified



Recess design

Eradicates the risk of lifting equipment being trapped in between other loads either on top or on the sides

PSL



Pressure safety relief device

Opens automatically to release any over- and under pressure

PSL All tanks



Stacking lug device

More secure stacking, prevents entanglement of lifting equipment from other cargo units

PSL



Safety harness anchor

Can be used in case there is a need for personnel to secure themselves

PSL



Stainless steel Dry-break coupling (male)

Self-closing for connecting and disconnecting hoses without product spillage
 Alternative customer specific couplings possible

PSL All tanks



Hand brackets and anti-slip tape

Providing more grip for personnel, should there be a need to climb the tank

PSL



Heavy duty level gauge

No longer necessary to open the manhole cover to determine the product quantity

PSL All tanks



TRUST WELL PLACED



PSL and PSS tanks



Available in
PSL (Peterson Safety Large)
5100 litre capacity

PSS (Peterson Safety Small)
3000 litre capacity

https://www.youtube.com/watch?v=LV6WmzVn_M4

More information? chemicals@onepeterson.com