



MSF – Dropped Objects

01/12/2015

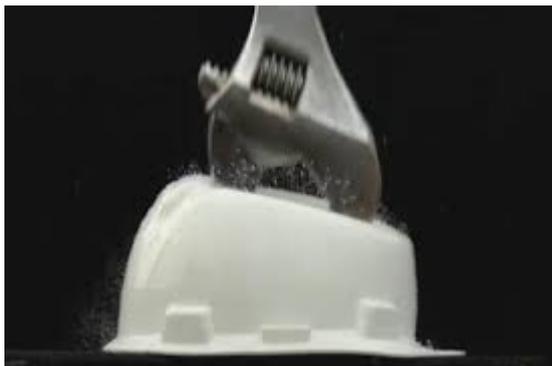


THE RISK TO MARINE PERSONNEL

THE GREATER THE DISTANCE AN OBJECT FALLS THROUGH, THE MORE TIME IT HAS TO ACCELERATE

AN OBJECT FALLING FROM 10m OR 30 feet HAS AN IMPACT EQUIVALENT TO 10 TIMES ITS OWN WEIGHT

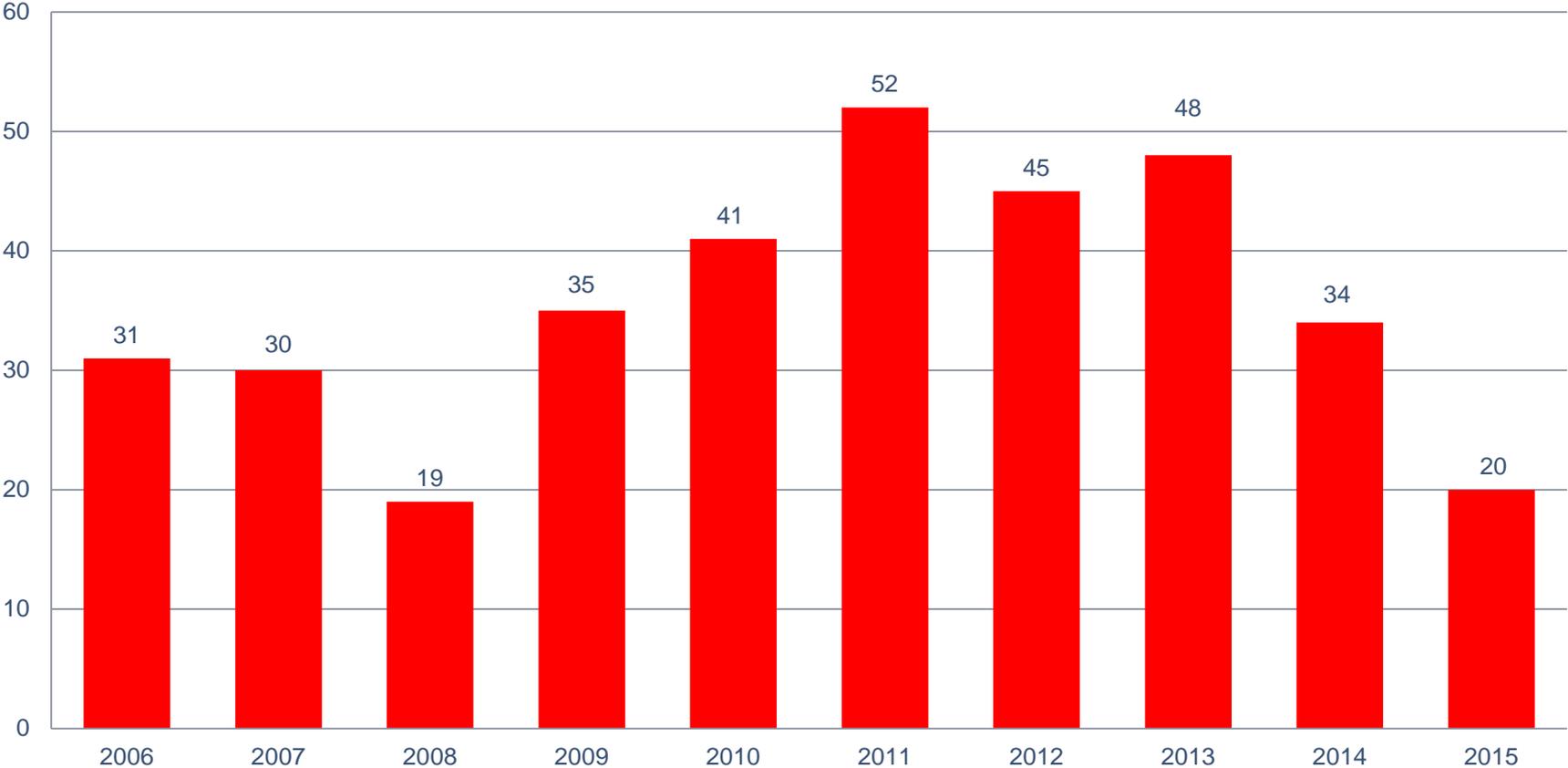
THE IMPACT CAUSED BY THIS ACCELERATION CAN BE DEVASTATING



DROPPED OBJECTS



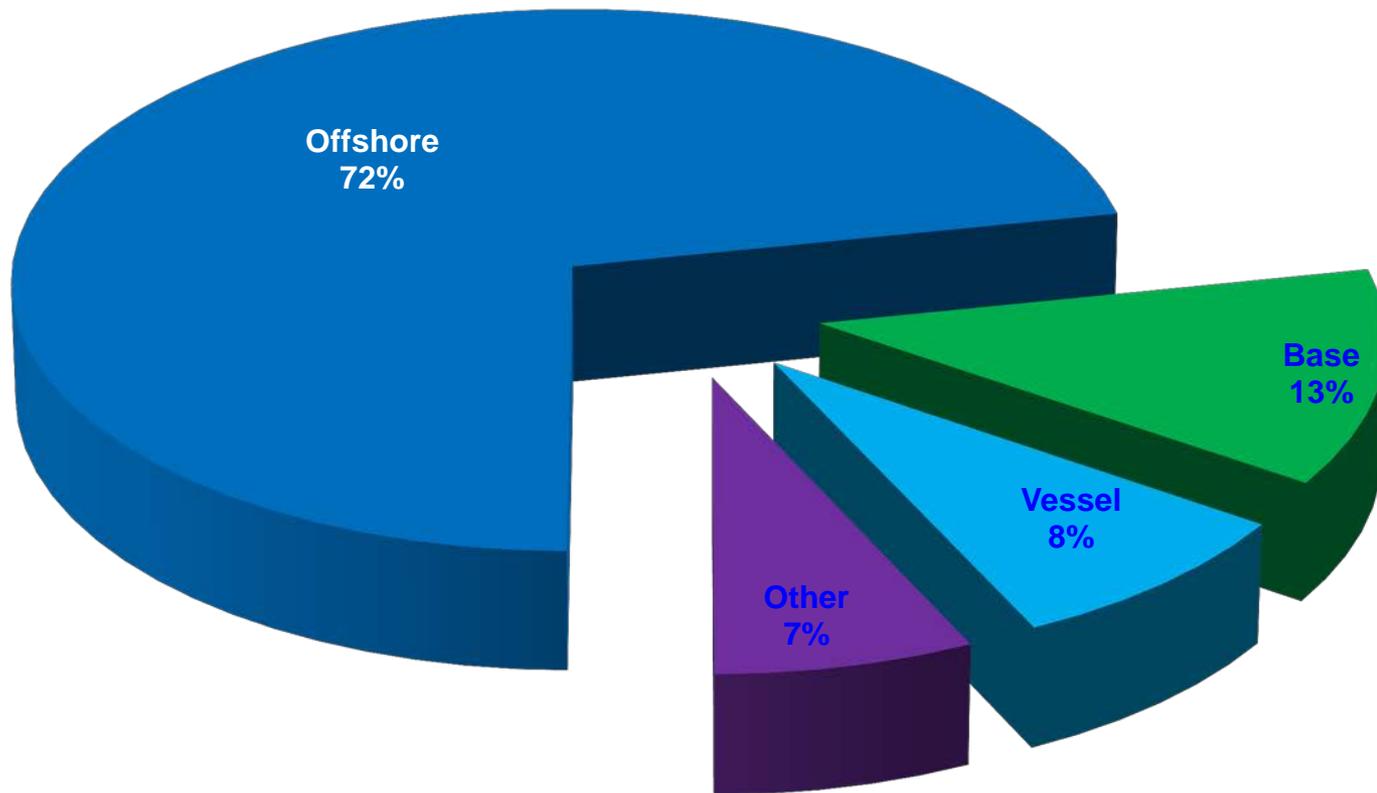
Potential / Dropped Objects Summary



DROPPED OBJECTS



Potential / Dropped Objects Breakdown

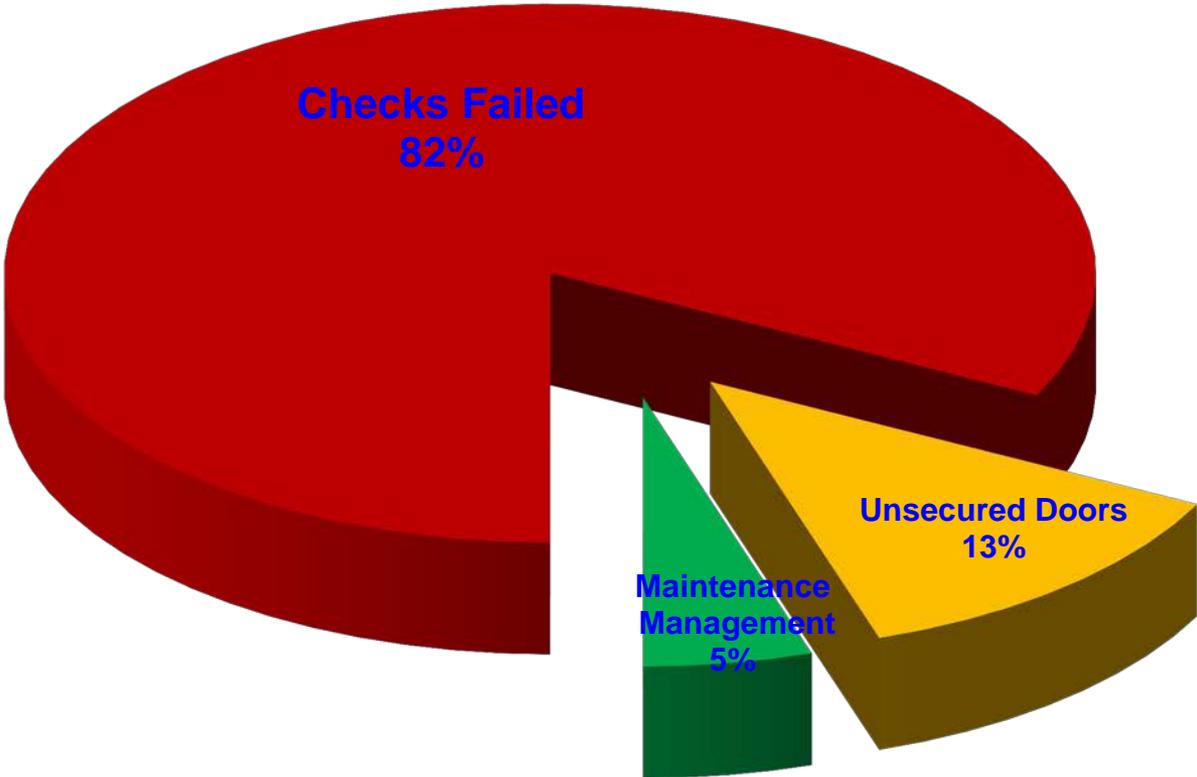


*Figures are based on incident reports 2011-2015YTD

DROPPED OBJECTS



Dropped Objects Breakdown



DROPPED OBJECTS



Loose piece of steel plate

DROPPED OBJECTS



Piece of plywood

DROPPED OBJECTS



Metal Clamp

DROPPED OBJECTS



DROPPED OBJECTS



Section of handrail

DROPPED OBJECTS



2x Metal Brackets

DROPPED OBJECTS



**Safety stop block
and chain**

DROPPED OBJECTS



Drill pipe dropped from Drill Mast Rooster Box

DROPPED OBJECTS



Overboard Discharge



Marine Safety Forum – Safety Flash 15-02

Issued: 13th January 2015

Subject: Dropped Object

One of our vessels has reported a dropped object incident while working deck cargo at a rig. The rig had a dual line crane (single whip, double block) and was using the double block at the time of the incident while discharging cargo from the vessel. As the crane commenced lowering the double block down towards the vessels' deck, the single whip line headache ball and hook assembly detached from the crane and landed on the top of the safe haven damaging the deck. Fortunately the deck crew were standing clear and were approximately 4m from the point of impact. Although shaken, there were no physical injuries.

The assembly weighed 160kg and fell approximately 50 meters giving an impact force of 784KN this would most certainly have resulted in a fatality if it had struck a crew member.



Headache ball and hook assembly on deck after impact.

Note penetration in deck and distortion of steelwork

Another vessel has reported a potential dropped object which was spotted after back loading from a rig.



Loose Object found here

FINDINGS

- Both of these incidents are currently under investigation from the respective oil companies.
- Cargo handling incidents are the cause of many injuries and potential injuries
- Statistically, the number of dropped objects does not appear to be falling! (excuse the pun)
- Checks on the rigs, quayside and vessel are still failing to spot loose objects before loading.



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