
Atwood Eagle

Crushed Finger – 14th October 2006

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Operations Manager

Crushed Finger Incident Summary

- Date: 14th October 2006
 - Time: 20:50
 - Location: Moonpool Passage Outside of Engine room
 - Injury: Compound Fracture to right little finger
 - Injured Person: Roustabout (Atwood Eagle)
 - Classification: Restricted Work Case
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Crushed Finger Incident Activity

Activity at Time of Incident – Transfer of a power pack from outside of the engine room to the offloading storage area Starboard deck using a two wheeled trolley.



Crushed Finger Incident Background

- Atwood Eagle has 3 main diesel engines, 16 cylinders each
 - Engine cylinder, piston and associated parts are supplied in a unit called a power pack
 - The task of changing out a power pack is conducted 3-5 times per year
 - A power pack had been changed out on #3 engine the previous day. Housekeeping was being conducted in the engine room which required the removal of the worn power pack from the engine room
 - A number of I beams were available in the engine room for mechanical handling of the power packs, but some areas still required manual handling
 - Once outside the engine room power packs were typically moved using a 4 wheeled cart
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Crushed Finger Incident Description

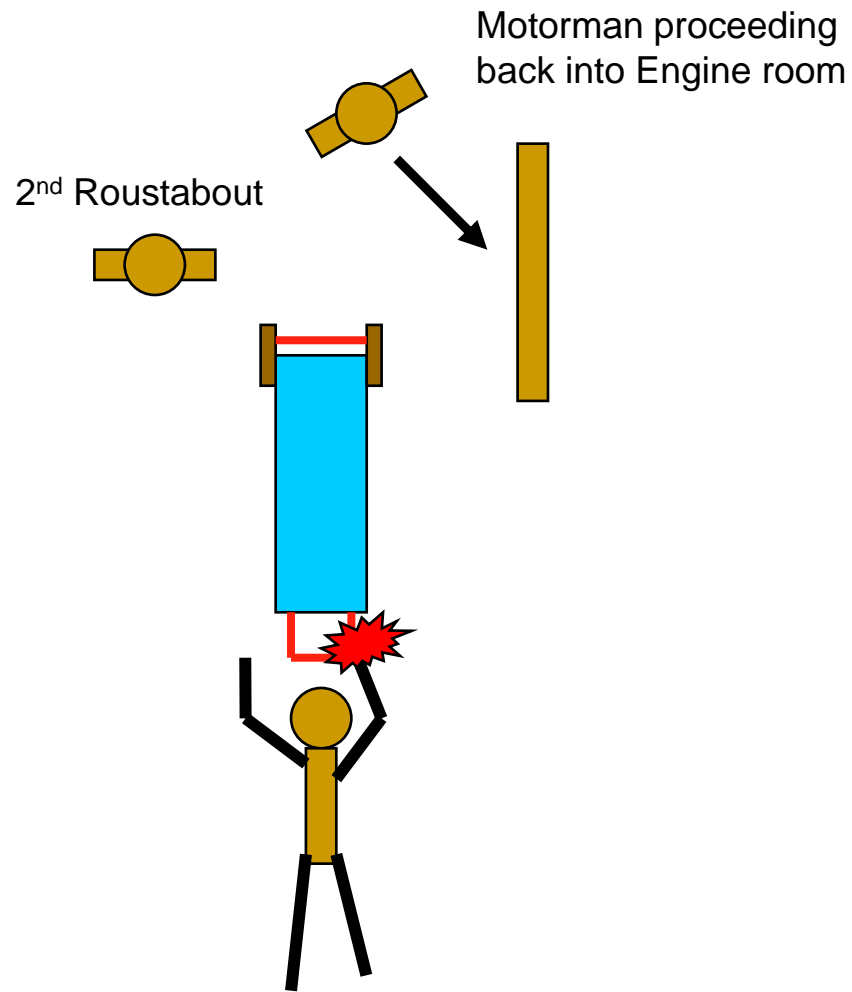
- Toolbox meeting held to discuss movement of power pack through a water tight door and to the storage point. The weight of the unit was discussed, but the transfer method was not
- Motorman & two roustabouts successfully move power pack out of engine room through watertight door manually using a two wheeled trolley



Crushed Finger Incident Description

- With the power pack and trolley now outside the engine room, a roustabout (IP) promptly took hold of the trolley and lifted the power pack back on the trolley
 - At this point the IP was unable to control the load and it continued coming down past the point of equilibrium
 - The IP attempted to catch the load and prevent it from falling and in doing so caught his right hand little finger between the trolley handle and deck resulting in a compound fracture
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Crushed Finger Incident Description



Top View of Incident



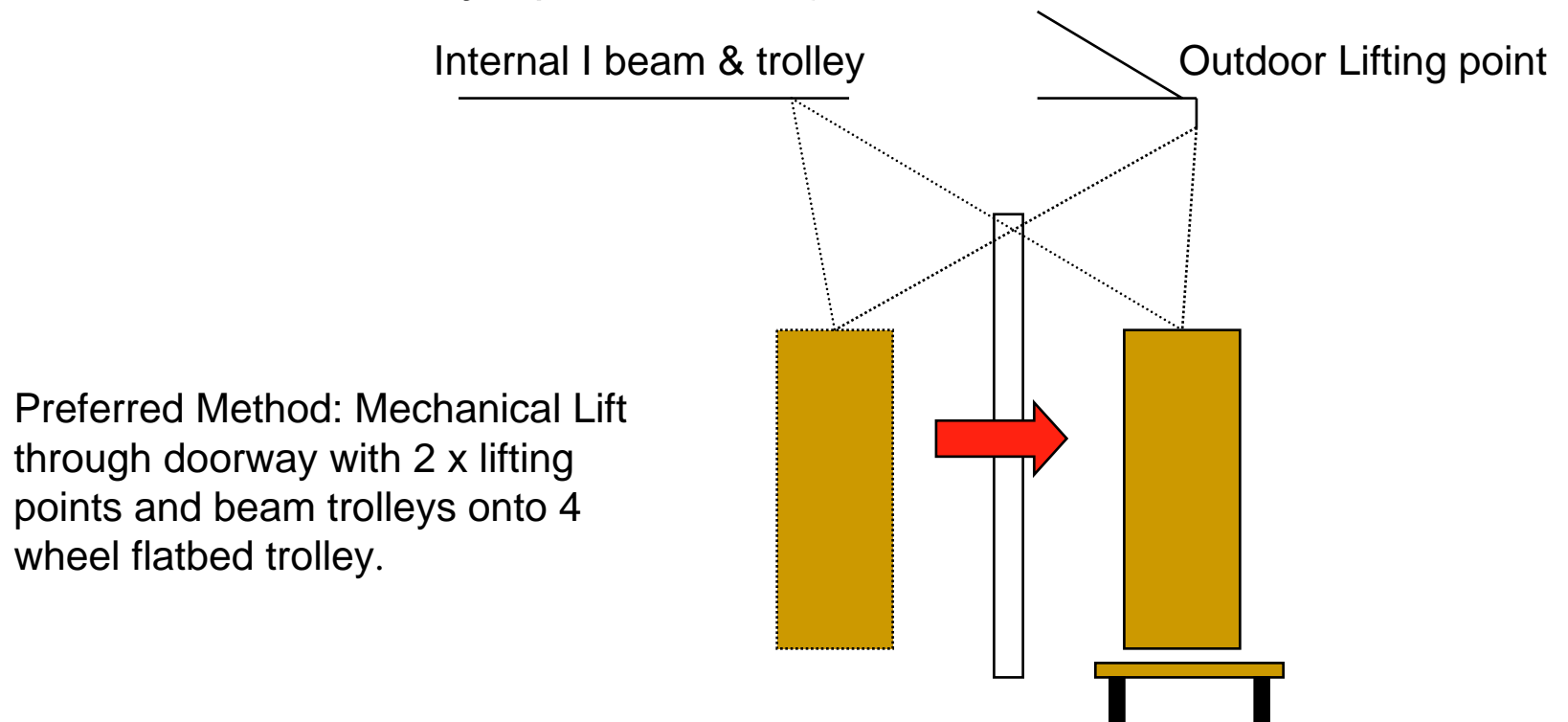
Crushed Finger Incident Description



Finger crushed
between trolley handle
& deck as load fell back
IP was wearing gloves
at the time

Crushed Finger Incident Key Findings

- Lack of mechanical lifting points made use of ideal trolley (4 wheel) difficult



Crushed Finger Incident Key Findings

- Lifting powerpacks vertically out of engine room not considered feasible due to a lack of suitable hatch area above
 - A JSA had not been developed previously, or on this occasion for handling power packs
 - Personnel involved had not completed this task before
 - Instructions provided to personnel & level of supervision was inadequate
 - Injured person was eager to get the job done, new to the rig
 - Injured person attempted to prevent load from falling rather than letting it go
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Corrective Actions

- Install mechanical lifting / trolley securing arrangement for this task
- Conduct hazard hunt across rig to identify areas where mechanical lifting points are required
- Develop a JSA for handling power packs and other similar activities as identified from the hazard hunt
- Educate crew on the suitability of various trolleys and hand safety

