

DROPS Forum, Kuala Lumpur

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# Maersk Completer DROPS Manual 2010

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To date Maersk Drilling have had a comprehensive Derrick Inspection Manual which addresses DROPS exposure issues related directly to drilling operations.

DROPS issues for all other areas of the rig were identified but addressed separately through a variety of area specific control mechanisms, generally preventative maintenance and inspection schedules.

The purpose of this DROPS manual is to consolidate all controls put in place for dropped object prevention in a single working document with consideration to all areas having dropped object exposure.

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## Derrick Inspection Manual

### MAERSK COMPLETER

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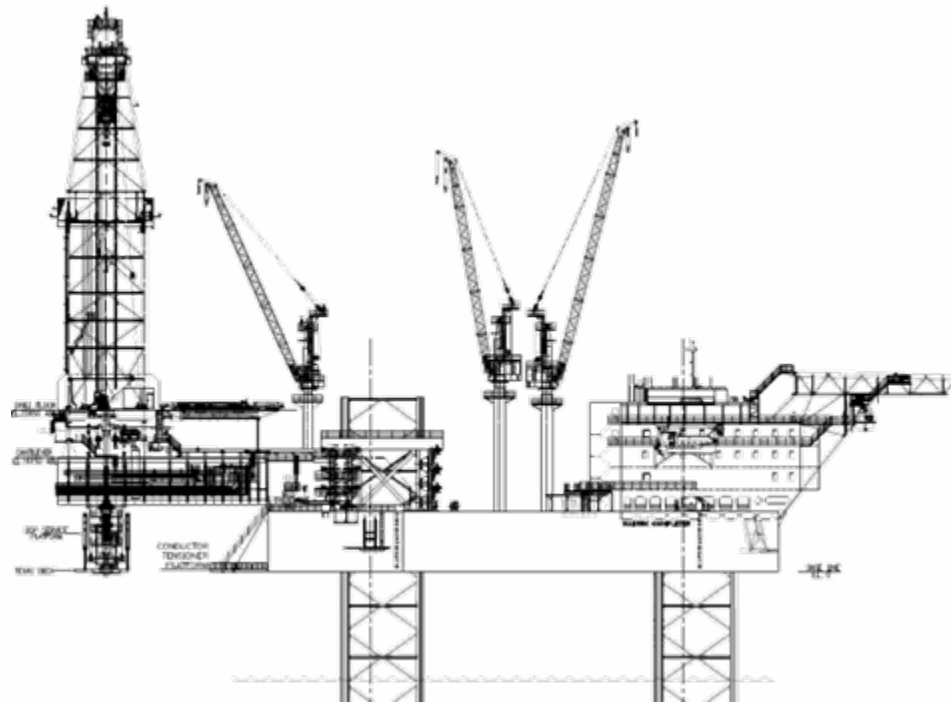
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Service hoses in the derrick.

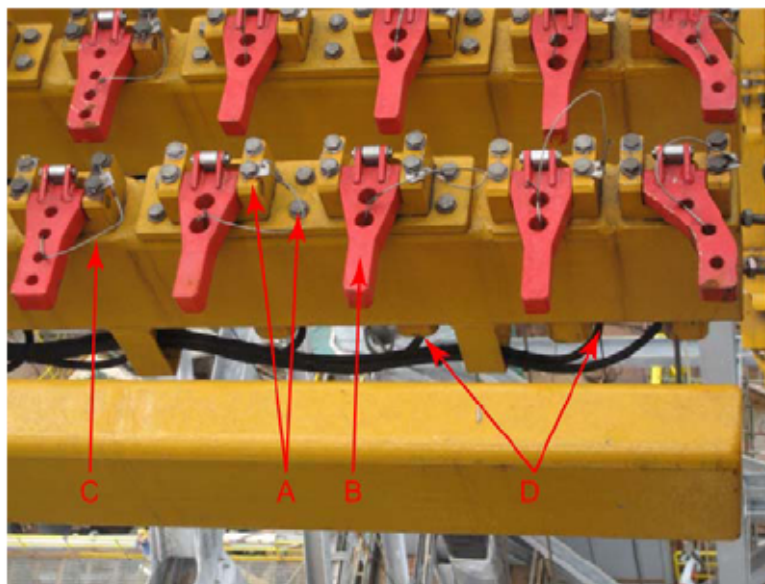
- A Check fastening of all service loops/hoses. Where appropriate check that a safety wire/chain is connected. Check that the hoses can travel free all way up and down in the derrick.
- B Check that the cement hose is secured and out of the way for moving wires, pipes etc.



## Derrick

Fingerboard.

- A Check that the bolts holding the brackets are locked. Check that the brackets are without cracks and are not bent.
- B Check that fingers are not bent.
- C Visually check all safety wires on fingers for damage.
- D Check that the connections to the air cylinders are without any defects. It is important that the operator of the Hydra Racker and fingerboard verify that there is free access to the slot he wants to put the pipe in.





## Below Rig Floor



- Check all bolts on manifolds.
- Check chain and clams are correctly fitted.



- Check for any loose bolts and nuts on all BOP hoists.
- Check shackles for hanging of the chain baskets are in place and secured.



- Check all end stops on both BOP runway beams are in place and properly secured.



- Check bolts and nuts on all speakers below rig floor.
- Check retention wire is correctly fitted and in good condition.





## Cantilever



- Check all bolts and nuts on the ladder for the Catwalk Machine.



- Check all hose clamps on cement hoses below cantilever are properly fitted.



- Check antislip stair treads on all stairs on cantilever are properly fastened.



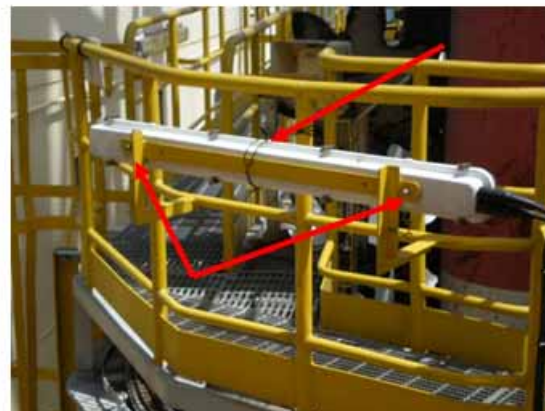
## Jacking Structures



- Check all gate bars on all levels have safety pins inserted.



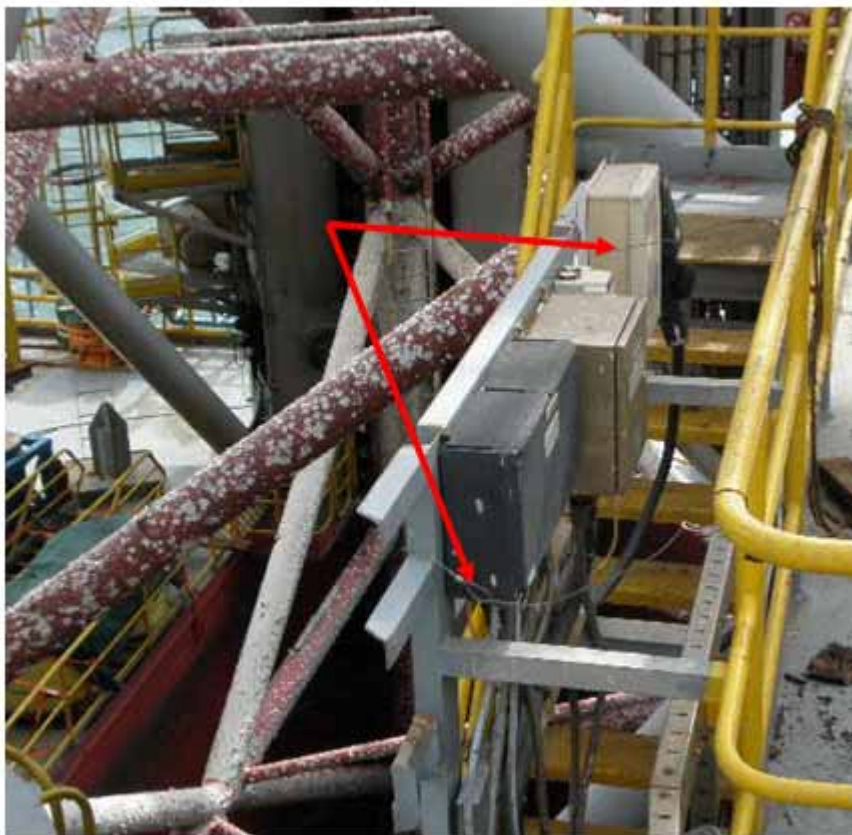
- Make sure riser clamps on forward and port jacking structures are closed and bolts and nuts are tight.



- Check bolts and nuts on all light fixtures on all jacking structure are tight.
- Check retention wire is correctly fitted and in good condition.



## Main Deck



- Check all bolts and nuts and retaining wires on all junction boxes on main deck



- Check all bolts and nuts on all alarm beacons on main deck.
- Check retention wire is correctly fitted and in good condition.





## Cranes



- Check the wire sockets on all boom pennants have the safety pins inserted.



- Check the wood protector on top of each boom rest is in good condition. Also check that all nuts are tight.



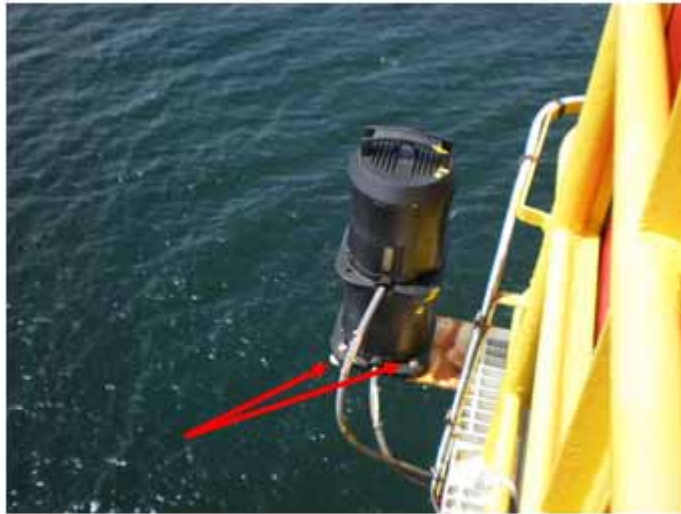
- Check the pins in all boom joints have safety pin inserted and the pin is correctly secured.



- Check the warning light at the end of each boom tip. Make sure retention wire is correctly fitted and in good condition.



## Helideck



- Check all bolts and nuts on navigation lights are tight.
- Check retention wire is correctly fitted and in good condition. (Retention wire is missing on this photo).



- Check nuts and bolts on all floodlights below helideck are tight.
- Check retention wire is correctly fitted and in good condition.



## **Accommodation**



- Check for any loose and light objects which can be blown away by strong winds.



- Check frame for windsock is properly secured.
- Check the disk on top of the mast is properly secured.



## Below Main Deck



- Check for any unsecured items on the shelves in heavy tool store and ware house. Make sure items are properly secured during rig moves.



- Check all beam hoists in engine room are properly installed on the runway beams.



- Check for unsecured items stored on top of lockers in all areas. Make sure items are secured or removed, especially during rig moves.



**Thank you for your attention**

**Any questions?**