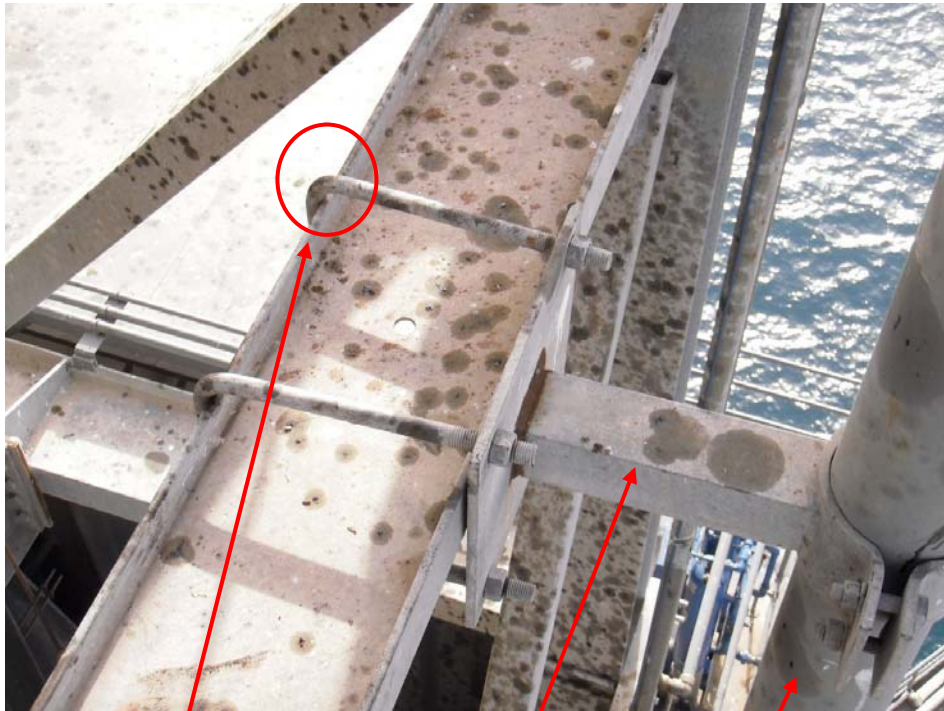


NM: broken U-Bolt fell from stand pipe bracket to rig floor

What happened: Operations ongoing: dropped PBL closing ball, pressured up with rig pumps to 2000 psi. As the ball was blown through the closing chamber, the surge pressure caused the mud hose to vibrate. A section of a 'U' bolt (weight 2.3kg) of a stand-pipe bracket attached to the derrick beam, fell from 20m to the rig floor. The U-bolt section landed 3-4 m away from a roughneck. Note: a full DROPS inspection was done when the rig came on contract in Oct 2009.



U-bolt failed position

Bracket

Stand-pipe



2.3 kg

Date:
15 January 2010

Location:
Egypt

Preliminary Learning Points:

- Rig is just over 12 months old – bracket design does not seem fit-for purpose (tbc).
- Teams are advised to check for similar designs installed on their rigs



Recommendation : Replace U-bolted connections and apply double plated clamps as per photo. Bolts are loaded axially only.