



Safety Alert

From the International Association of Drilling Contractors

ALERT 11 – 14

HIGH POTENTIAL NEAR MISS - DROPPED OBJECT

WHAT HAPPENED:

The drill crew was tripping in the hole with 5 ½ inch drill pipe. The derrickman attempted to place a stand of drill pipe in the elevators but missed and the stand was dropped across the derrick. When the stand was being recovered it was pulled back to the fingers, it struck the fingers causing shaking and vibration to the derrick and monkey board. The motion caused a 12 lb. (5.4kg) speaker mounted at the back of the monkey board to break loose at the junction box. The derrickman was standing next to the speaker at the time the stand struck the fingers and was able to catch the speaker as it fell and it was brought down to the rig floor.

WHAT CAUSED IT:

- When speaker was installed in the new derrick it was not secured with secondary retention.
- The unsecured speaker had not been identified by third party derrick inspection as well as rig specific inspections.
- The speaker wire housing / mounting post thread was cracked ¾ of the circumference but could not be seen due to its location which was flush with the junction box.
- The vibrations and shaking of the derrick from the dropped stand retrieval caused the speaker to shear from the junction box.

CORRECTIVE ACTIONS: To address this incident, this company instructed rig personnel to do the following:

- Immediately perform a full derrick inspection to ensure placement of secondary retention.
- Develop derrick inspection / secondary retention training to cover proper use of secondary retention, hands on / visual inspections, corrosion, hazard identification and temporary and permanent installations in the derrick.
- Conduct a full derrick inspection once derrick inspection / secondary retention training has been completed.
- Amend the “Derrick Access Log” to advise that all temporary or permanent equipment aloft is required to have secondary retention.



Speaker Assembly



Derrick Location of Speaker

The Corrective Actions stated in this alert are one company’s attempts to address the incident, and do not necessarily reflect the position of IADC or the IADC HSE Committee.

This material is presented for information purposes only. Managers & Supervisors should evaluate this information to determine if it can be applied to their own situations and practices

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Clean area-no crack or sign of rust. This is what broke and was all that was holding the speaker in place.



Speaker wire housing / mounting post. This point was flush with the junction box where it broke loose.

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