



# Safety Alert

From the International Association of Drilling Contractors

ALERT 11 – 09

## IMPROPERLY MOUNTED RIG FLOOR WINCH RESULTS IN HI-POTENTIAL NEAR HIT

### WHAT HAPPENED:

During operations on the drill floor the crew was in the process of picking up riser through the V-door. They were using the 4500 kg winch for pulling back the riser to permit racking of the riser into the V-door. As the riser was being picked up, the winch bolts holding the winch to the pedestal failed and the winch broke free from its pedestal. When the winch broke free from its mount and was suspended by its wire rope, it swung sideways and smashed the glass on the doghouse door. The riser then slid back down the V-door and came to rest on the V-door stopper.



### WHAT CAUSED IT:

- The original winch base did not have the same design or bolt pattern as the base holding plate and required modification before use (holes were misaligned).
- Failure to recognize situation as requiring Management of Change (MOC) controls.
- Undersized bolts used to secure the winch to its base failed under load.
- There was no follow-up inspection record of the modification or load testing performed.
- Wrong team members were involved in the installation

**CORRECTIVE ACTIONS:** To address this incident, this company instructed rig personnel in the following:

- Check all lifting equipment before use for damage or potential mechanical failure.
- Follow Management Of Change (MOC) process to plan the scope of work and who needs to be involved at each phase.
- Renewal and modifications to equipment are to be checked by OIM, Maintenance Supervisor and QHSET Officer at a minimum (Tourpusher to be included for Drilling equipment and Barge Engineer for Marine equipment).
- Any load bearing equipment should be load tested to SWL before use.

**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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