



Safety Alert

From the International Association of Drilling Contractors

ALERT 04 – 21

CRANE MAINTENANCE RESULTS IN AN LTI

WHAT HAPPENED:

The mechanic and electrician were moving the generator exciter outside of the crane cab. They had one come-along attached to the rear of the exciter and a chain fall attached to the front of the exciter. While pulling the exciter outside the door, the rear chain fall was above in the trolley guide. As the exciter was being pulled outside of the crane cab with the chain fall the lifting eye that the come-along was attached to, slipped out of the trolley guide rail. The come-along fell striking the employee on the left thumb causing a fracture and the employee to loose time from work.

WHAT CAUSED IT:

Improper rigging of equipment

- The JSA did not mention anchoring the chain fall to the trolley pad eye.
- The JSA did not mention checking the trolley rail for the end stop being in place.
- The crew did not stop the job when they had a change in planned procedures.

CORRECTIVE ACTIONS: To address this incident, this company did the following:

Issued Action Items to maintenance personnel:

- Revise the JSA to ensure they note where to attach chain falls and come-along and any other equipment needed for the job.
- Also to check the trolley assembly for end stops in place.
- Check all cranes to ensure they are equipped with the proper overhead trolley assembly and if they do not match the attached information from the crane manufacturer, the rig will order and replace with this I-Beam trolley system.
 - The I-Beam installation consists of three (3) drilled sections; one is bent to fit the shape of the machinery house, stops, hardware and three (3) 2-Ton ball bearing trolleys. This installation has much greater capacity, adequate for handling the M/G sets, motors, etc. Contact the crane manufacturer and ask for the I Beam Trolley drawing.

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.