

Injector Assembly Kicks Out of BOP Injury Incident

SAFETY ALERT

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Enform: Your Partner in Safety

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An Industry Product

This document was developed by industry for industry. Working collaboratively, Enform works with the submitting organization representative in developing these documents to improve the industry's hazard awareness. Canada's leading oil and gas industry trade associations support the use of shared information to help companies of all sizes improve performance.

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Details

Release Date: November 17, 2012
Incidence Type: Injury
Country and Region: Alberta, Canada

For more information on this event, please contact: safety@enform.ca

Description of Incident:

The crew of a hybrid well service rig had pulled to surface and bled off the pressure in the lubricator. An operator was using a Genie lift to unthread the "Otis" connection on the 10 k stack.

The operator unthreaded the nut, and the rig manager attempted to separate the connection by lifting up on the injector/lubricator assembly.

The lubricator was binding on top of the BOP, and the operator in the Genie lift remained in position behind the assembly to direct the rig manager in which way to move the injector carriage to free the lubricator.

The rig manager was following the operator's directions, and because there was weight pulled into the lube assembly, the rig manager hit the correct spot and the lubricator assembly sprung free of the BOP stack and sprung backwards, striking the operator in the Genie lift in the face and knocking him down.

The operator was able to regain his feet and bring the Genie lift down to the ground under his own power. He was evaluated by the on-site medic and sent for further medical treatment.

What Caused It:

The lubricator assembly sprung free off the top of the BOP stack and sprung backwards, striking the operator in the Genie lift in the face and knocking him down.

Photos:



Image 1 is the position of the employee before being struck.

By industry, for industry



Image 2 is the approximate kick of the lubricator stack.



Image 3 is the employee being struck by the lubricator.

(These images are a part of the reenactment done after the incident).

Corrective/Preventive Actions:

Investigation identified the following:

- The company will endeavour to find an engineering solution to prevent the lube from kicking out of the BOP.
- The JSA procedure has been changed, to identify the hazard and ensure all personnel are clear before the lubricator assembly is lifted off the top of the BOP stack.
- The company will also reinforce the importance of pausing and identifying any new hazards when the scope of a job changes.
- There will be an internal hazard alert sent out

The operator underwent an MRI, was diagnosed and underwent surgery to repair a fractured cheekbone and misaligned orbital socket. His recovery time is estimated to be 4 weeks, then a light duty program should be able to be instituted.

