

## Lesson Learned Briefing

**No.:** LL14-0015

**Title:** Pre-use Inspection Prevents Potential Lift Rigging Failure

**Event:** Other Facility Event

**Event Date:** 02/24/2014

**Category:** ES&H - Cranes and Hoists

**Summary:**

Performing a proper pre-use inspection of tools and equipment, and making corrections before commencing work is an important attribute of a safety-conscious work environment. Pre-use inspections prove their value every time an unacceptable condition is identified from these inspections.

**Discussion:**

Prior to manipulating a heavy door on a piece of equipment, an employee performed a pre-use inspection of the rigging and noticed that the shackle and lifting eye were worn through to the point of potential failure (see attached photographs). Conditions such as these can develop and go unnoticed wherever rigging is left connected to equipment. The employee's pre-use inspection of the equipment, which appeared to be properly configured and ready for use, exposed a potential rigging failure that could have resulted in injury and/or equipment damage.

**Recommended Actions:**

Perform a pre-use inspection of tools and equipment before starting a task. This inspection may reveal unsafe conditions or damages that need to be addressed before performing a task. For hoisting and rigging:

-All manufacturer-provided lift points must be used in accordance with manufacturer instructions and must be inspected by a qualified person prior to each use. Any item with a damaged lift point or rigging must be tagged out of service until it is repaired and suitable for use.

-Rigging hardware to be used at the lift points must be operated in accordance with manufacturer instructions and must be inspected prior to use by a qualified person. Any damaged rigging hardware

must be removed from service, made unusable for hoisting and rigging, and discarded.

Lesson ID: LL-2014-LLNL-6

Originating Organization: Lawrence Livermore National Security, LLC

Date: 2/24/2014

Lessons Learned are part of the ISM Core Function 5, Feedback and Improvement. Applicable Lessons Learned are to be considered during working planning activities and incorporated in work processes, prior to performing work.

Please contact the following subject matter experts if you have any questions regarding this briefing.

- Thomas, Dan K. ([DKThomas@lbl.gov](mailto:DKThomas@lbl.gov))

**Uploaded documents/attachments:**

[Pre-Use Inspection Rigging Failure.pdf](#)

[Give feedback for this briefing](#)

For other lessons learned and best practices, go to [Lessons Learned and Best Practices Library](#)

---