

Category: Superintendent News Alert

Document #: SNA-CDF 8

N/A

Document Title: Hammer Line Failed While Lowering Hammer to Refuel

Owner: Cajun Industries, LLC

Effective Date: 12/8/23

Revision #: N/A

PURPOSE:

This Superintendent News Alert is being sent to inform all Cajun Industries, LLC Superintendents and Managers to notify them of the event, findings and required actions related to the incident.

INCIDENT DESCRIPTION:

“During the process of lowering the pile driving hammer to the ground to refuel, the hammer line of the crane failed and snapped allowing the hammer to fall to the ground approximately 5 feet.”

FINDINGS:

1. All employees were in approved “employee safe zones” at time of incident.
2. No damage was recognized to crane cable in previous lead inspection.
3. Testing of damaged cable and lead sheaves did not indicate any manufacturer’s defects in the equipment.
4. Post incident, hammer cable showed signs of kinking and memory indicating that the cable was being shock loaded during driving.

PROCESS:

Evaluate your current work scopes and ensure the following actions are being met:

1. Review the importance of “employee safe zones” with employees.
2. Equipment Inspection – Review cable inspection criteria with crews and operators to be able to recognize damaged cable during lead inspections and daily crane inspections. Employees should focus on identifying “kinks” and “dog legs” in crane cable during inspection.
3. Superintendents to evaluate pile driving equipment configuration in reference to the project driving conditions.
 - a. Consider the following adjustments to equipment configuration in hard driving conditions to prevent potential shock loading of hammer line cable:
 - i. Placement of trip assembly on hammer trolley (not too high, not too low)
 - ii. Use of hydraulic trip
 - iii. Two-parting hammer line

PAYOFF:

- Increase awareness with pile driving management and crews to identify potential defects in crane cable.
- Review pile driving equipment configuration and driving processes to identify opportunities to reduce the likelihood of shock loading to crane cable during driving.





Crew Review:

Superintendent: Instruct the crew to use their phones to scan one of the QR codes below, which will direct them to a short review session. After personnel enter their information and submit it, training records will be generated and automatically saved for future reference. Utilize this time for open engagement with the crew. Each review will have different questions, which can be answered either as a team or individually.



Approvals		
<i>Title</i>	<i>Signature</i>	<i>Date</i>
BU 15 Vice President		12-07-23
BU 15 Senior Construction Manager		12-07-23
BU 15 Manager of Safety		12-07-23

Revision History				
<i>Rev #</i>	<i>Date</i>	<i>Reason for Changes</i>	<i>Originator</i>	<i>Effective Date</i>
1	12-09-2024	Update to new format/ add QR training codes	Lance Bradley	12-09-24