

DAMAGED CRANE HOOK



Incident details

Whilst the mast of a C6 rig was being raised from the horizontal to the vertical position, the swivel that was fitted to the lifting hook detached and fell narrowly missing staff working nearby.



Findings

Following the incident, the initial investigation found the spring-loaded safety latch that is **NORMALLY** fitted to the crane hook was not present.



Possible causes of the incident

The initial investigation has found that the main likely causes of the safety latch becoming detached are as follows:

- The latch detached just prior to the incident and was not identified by the slingers or rig operator prior to the mast raising.
- Poor operation overloading of the crane leading to excessive strain on the latch causing it to detach.
- The latch was damaged on the previous shift and was not reported / repaired by the team.
- An inadequate pre-use inspection was carried out by the team that did not identify the latch was missing.

Recommendations

Following this incident please ensure the following actions are undertaken immediately:

- A through pre-use visual inspection is undertaken on **all** lifting equipment to check for damage.
- A through pre-use visual inspection is conducted on all lifting accessories before they are used.
- If faults are present, then this equipment must be quarantined immediately and reported to your supervisor or line manager for repair or removal from the worksite.
- Prior to positioning loads onto the crane hook (during all lifting operations) check the latch is operating correctly.
- Refer to the previous SHEQ campaign or the SHEQ department for further advice.

