

# ◀ HEALTH & SAFETY ALERT ▶



## Fly Jib Sheared on Pick and Carry Crane

This alert has been provided by our colleagues at Canary Wharf Contractors.

### INCIDENT:

A Trade Contractor had hired a G120 pick and carry crane and its operator from a hire company for the purpose of transporting precast slabs. As the crane was travelling across the yard from the welfare area, the 6 bolts connecting the fly jib onto the main boom sheared off and it fell onto the marine deck (see photo). There was no load attached at the time of the incident. The fly jib had never been used during the hire for any lifting operations. It was folded back, along the main boom and secured into position.



Fly jib was located adjacent to this boom

Root Cause: The crane does not have any suspension and was driven repeatedly over uneven ground conditions, which included the yard and a road plate along the route. The driver was also using the crane to drive back and forth from the welfare facilities to the place of work. The yard has a number of potholes, cobbled areas and rough concrete areas. This caused the fly jib to bounce excessively and as a result loosen the bolts over time, eventually causing them to shear.

Contributory causes: The driver had not undertaken daily inspections for 2 weeks. The daily checks may have identified any obvious defects associated with the fly jib.

### RECOMMENDATIONS:

The following learning outcomes can be used as a reminder to Crossrail sites with similar operations:

- Undertake regular surveys of vehicle routes to ensure ground conditions are suitable for specific plant in use
- Ensure relevant thorough examinations, weekly inspections and daily checks are in place and monitored