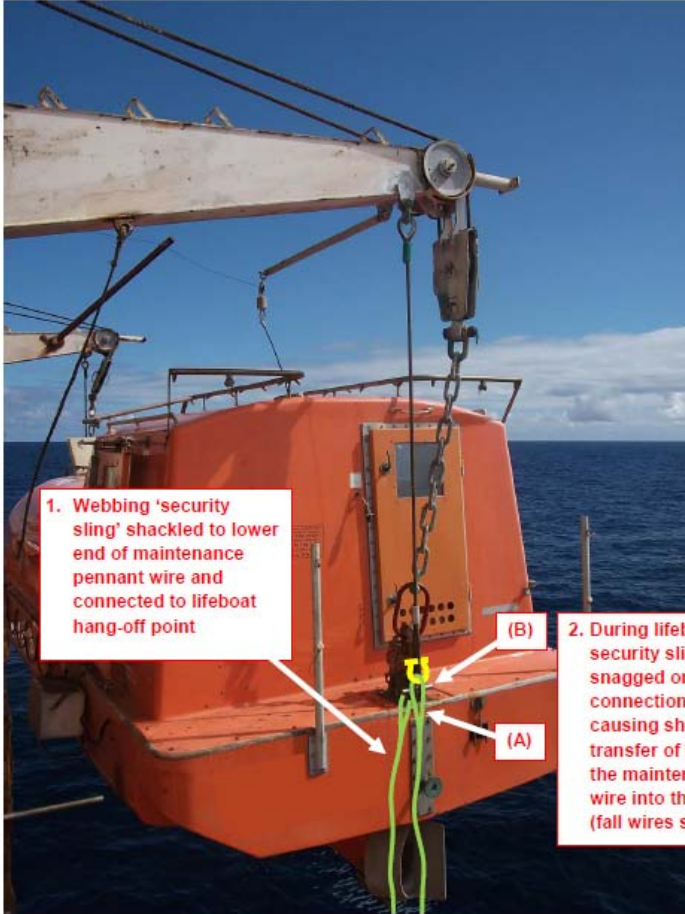


One Pager



Location: North Sea

Title: Lifeboat Davit Failure



1. Webbing 'security sling' shackled to lower end of maintenance pennant wire and connected to lifeboat hang-off point

(B)

(A)

2. During lifeboat descent, security sling eye (A) snagged on hang-off connection pin (B), causing shock load and transfer of load through the maintenance pennant wire into the davit arm (fall wires slack).

Overview

During routine dynamic load testing of FPSO lifeboat davits, one set of davit arms suffered catastrophic structural failure. The failure resulted in loss of a lifeboat to sea, facility shut-down and downmanning. No personnel were injured.

Incident Summary

Prior to starting the test, a 15 metre webbing 'security sling' was attached at each end of the boat between the lower end of the maintenance pennant and lifeboat hang-off point. During the lowering, the eye of the security sling snagged on the lifeboat hang-off pin, resulting in a shock load and transfer of load from the lifeboat fall wires to the davit arm. The shock loading exceeded the structural capacity of the davit arm, resulting in immediate failure.