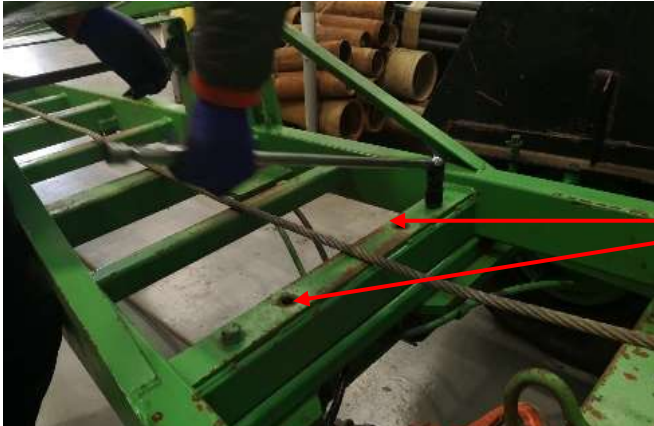


Incident Report 24.02.2021

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Following an incident where a Dando 3000 cable percussion drill rig became bogged, a fitter was called to site to investigate two sheared bolts between the axle and structural cross member. On investigation it was found that of the two bolts securing the main rig frame to the axle, one bolt had sheared and the other was severely corroded. This resulted in an situation where the drilling frame/trailer unit was not held on to the axle units and could easily have become detached at any point when moved.

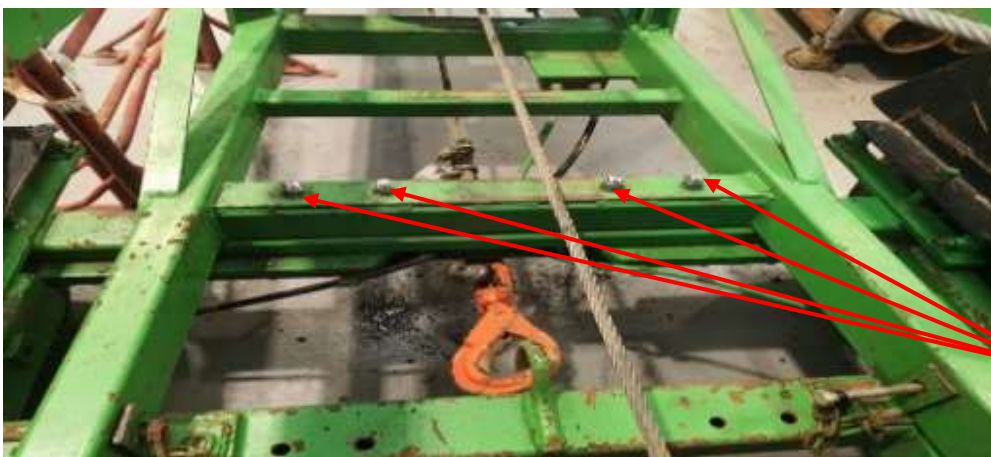


Location of bolts fixing rig frame to axle units



Sheared and heavily corroded bolts

The bolts and broken studs were removed, holes drilled out and replaced with M16 10.1 grade threaded bar and M16 nylon lock nuts. The axle was fastened down and checked for any further play. This process has been repeated on all SOCOTEC cable percussion drill rigs. These bolts will be replaced periodically and where only two bolts are present, upgraded to a 4 bolt fixing as shown in the picture below.



4x new M16 (10.1 grade) threaded bar and nylon lock nuts fitted.