



# Near Miss Occurrence

## Potential Major Injury

This Alert / Prevention Notice describes the background of a near miss event that occurred at a Keller work site, and outlines corrective actions and recommendations that should be taken to prevent similar occurrences elsewhere.

### Event Details

#### Introduction:

A near miss occurred on a Keller Geotechnique site involving a string of 300mm augers slipping through a catch plate and falling into the borehole below. The site team had drilled the pile to depth, (29m from PPL) and were extracting the augers at the time of the incident when the bottom 10m slipped back down the bore



#### Incident Classification:

Near Miss/ Potential Injury

**Incident Potential:** Major Injury

#### Causal Analysis:

The analysis of this incident indicates:

#### Contributory Causes:

The main causes were identified as:

- The catch plate used to hold the augers during installation/removal was slightly bent, with approximately 100mm deflection between the left and right fork.
- The catch plate did not provide sufficient restraint against the smooth metal surface of the auger.
- The augers were delivered from a new manufacturer with D-Pins and did not have hex bolts projecting from stem. Although not specifically designed to prevent slipping, the bolts still provide some resistance against the catch plate, (industry standard).

#### Root Cause:

- TBA.

#### Corrective Actions:

- Catch plate design modified to provide adequate restraint, (example in photo below).
- Traditional auger hex bolts to be used going forward, (example in photo below).
- Catch plate inspection to be included in the daily equipment checks.
- Investigation initiated.

#### Recommendations:

- Catch plate design to be reviewed for all mini piling systems.
- Design discussion with auger / casing manufacturers with an aim to establish a best practice / standard across the industry.



This HSEQ Alert / Prevention Notice will be communicated to the workforce, all sites should do this using the indicated method.



Recorded Toolbox Talk



Procedural Review



Notice Board



H&S Meeting