

# SAFETY ALERT

The below information has been issued on behalf of the Effic to make others aware of the potential risks and possible precautions to take in order to avoid these.



**Date/Time of Incident:**

**Type of Incident:**

Coupling Failure

**Nature of Incident/Injury:**

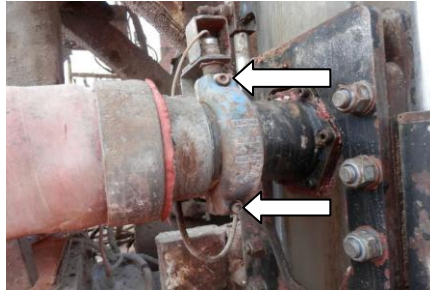
Cap head bolts sheared on concrete hose connection. Concrete delivery driver was caught in the face by concrete.

**Details of Incident:**

Carrying out normal pumping using a Mecbo Beton Cap tracked agitator. The agitator was slow pumping, so it was not under extreme pressure. The person operating the agitator at the time of the incident heard a loud bang. The operator then noticed concrete was pouring out on the floor from the rear of the agitator. The operator shut down the pump and went to see what had caused the concrete to spill out. On closer inspection the operator noticed that two cap head bolts had sheared off the changeover valve clamp. The operator also noticed that the concrete delivery driver was walking away from the concrete wagon holding his face. The concrete delivery driver was in close proximity to the changeover clamp failure and was struck in the face with concrete. The concrete delivery driver was given first aid on site and later attended A&E as a precaution.

**Root cause (if known):**

Material failure of part, possibly due to fatigue or incorrect tightening of the bolts.



Arrows pointing at the cap head bolts which failed on the changeover valve clamp.



Failed clamp which attached the concrete hose to the changeover valve.

**Action Taken:**

The Mecbo Beton Cap tracked agitators servicing is every 250 hours. The cap head bolts will be replaced following a 250 hour service. Bolts are to be replaced to the correct grade and tightened to the correct torque settings as per manufacturers guidance. The same maintenance regime will be applied to all other agitators with similar clamps

**Lessons Learnt:**

This is the first time an incident like this has happened using a Mecbo Beton Cap tracked agitator.  
The changing of the cap head bolts will be part of the pre-planned maintenance schedule.