

## Significant Incident Alert

<b>Type of Incident</b>	Incident – Restricted Work Injury & Equipment Damage
<b>Key Issues</b>	Incorrect Equipment Operation
<b>INX ID</b>	61926
<b>Date &amp; Time</b>	Friday 29 <sup>th</sup> May 2021
<b>Location</b>	Access Road - Marker 155
<b>Consequence</b>	Actual – Restricted Work Injury and Equipment Damage (Cat 2 <US\$500k) Potential – Multiple Fatalities (Cat 5)



### DESCRIPTION

- Whilst returning an 80t Tadano mobile crane (# CR 69) under escort from the CV11 area to the Nurumi crusher site, the operator was unable to slow the crane to undertake a right hand turn just past the sewage treatment plant.
- The operator being unable to pull the crane to a complete stop identified an area of the road ~500 m past the turn off (Km 155) where he could direct the crane off the left side of the road into an embankment turning the crane onto its right-hand side.
- At the time of the incident, there was one crane operator on board. The operator received a laceration to the head requiring medical treatment and was assigned restricted work duties. The crane was safely recovered and has been stood down pending detailed mechanical inspections.

### LESSONS

- The learnings from previous Significant Incident investigations provides the opportunity to prevent the recurrence of similar incidents. This requires a robust change management and verification process to ensure that identified preventative/corrective actions are formally implemented and are effective prior to being closed out. The effectiveness of the preventative actions can be further assessed by an internal audit at an appropriate time after the event is closed.
- This Significant Incident would most likely have been prevented, if the key preventative actions for similar incidents had been fully implemented and effective (operator competency on the correct use of low range, 4WD and engine breaks in particular).
- Reinforces the importance of identifying and implementing effective higher order risk controls (i.e. reduction by minimising movements or engineering by permanently locking low range) and reduced reliance on lower order administrative or procedural controls.

### ACTIONS

Number of actions identified from investigation; for a list of all identified actions refer to INX report;  
Key actions identified;

- All operators to undertake competency based refresher training for all mobile crane equipment make/models they are authorised to use, with an emphasis on the correct use of low range gears, 4WD and braking systems on steep descents consistent with that required for heavy vehicle operation and licencing. All training records must be maintained and accessible.
- Review the adequacy of the competency based training for the operation of all mobile cranes, with an increased emphasis on the correct use of low range gears, 4WD and braking systems on steep descents, consistent with current industry good practice. All mobile crane (and other equipment) operators to possess current heavy mobile equipment licence (Class 4 or Class 7)
- All mobile cranes (OTML and Contract) will be permanently locked in Low Range/4WD configuration as a condition of entry to all OTML work sites, where formally assessed as safe to do so. The ability to safely lock equipment in Low Range/4WD will require to be established for each mobile crane equipment make/model by a formal MoC process.
- Continue to minimise and restrict all mobile crane equipment movements on the Tabubil – Mine access road as far as practical. All crane movements on the Tabubil – Mine access road approved by the responsible Manager and Registered Manager.

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