

# Learning Event UNIC 295 overbalanced during pack-down (not loaded)

## Event details

- Lifting operations had been completed and UNIC 295 crane was being packed away.
- During the pack-down process the outrigger legs were inadvertently raised before the crane boom had been centred and stowed on the machine.
- This moved the machine centre of gravity outside the crawler tracks causing the machine to tilt over, coming to rest on the raised outriggers.
- No personnel were injured or exposed in the line of fire during the event.
- No damage sustained to the boom or outriggers.

## Immediate actions

- All personnel moved away from the crane to assess stability, possible damage and options for recovery.
- Recovery plan developed utilizing a Franna crane to safely re-centre the UNIC and lower the outriggers back into position.
- UNIC boom re-centred and equipment packed-down without further complication.
- SafeWork SA notified of event and investigation process commenced.
- Crane removed from service pending full inspection by Technical Specialist.

## Initial learning opportunities (pending full investigation)

- Ensure all UNIC activities (set-up, lifting and pack-down) are in accordance with Original Equipment Manufacturer (OEM) instructions and guidance.
- UNIC 295 does not have interlocks to isolate outriggers while boom extended.
- Following OEM instructions to ensure all alarms/warning systems are fully operational.
- SWMS reviewed to reflect above and require two competent persons to set-up and pack-down the crane.
- Initiate discussion with OEM to consider technical improvements, such as interlocks.



Marine Infrastructure Specialists