

Safety alert: Electric shock from damaged plug

Depiction of incident

- When accessing nacelle to carry out required hub works prior to installation, a technician, took hold of the 230V plug intending to insert it in the hub power outlet socket.
- It was unnoticed that the plug casing had been broken and the circuitry exposed, the tech received a mild electric shock.
- Individual escorted back to vessel for examination.



Cable and plug lying on the Yaw ring



Damaged plug

Why did it happen?

- This plug lead has to pass through an opened hatch from nacelle to hub and then be withdrawn and hatches closed for blade pitch rotation. Excess cable has to be stored neatly to reduce trip hazards.
- In this instance, the excess cable and plug have found its way onto the nacelle yaw ring suffering damage to the plug housing.
- It is assumed that the technician pulled the cable back to gain access to the plug without visually checking the circuitry.

Learnings

- Cables should be coiled and suspended from anchor points in the nacelle.
- Pre and post visual checks. Reminder in work briefs.
- Ensure plugs and cables are clear from crush, pinch points prior to yawing.
- Cable management mitigation measures to prevent cable coming into contact with yaw bolts and preventing entanglement – good house keeping.