

# MANUFACTURING SAFETY ALERT

**Ask Yourself**  
*"Could it happen here?"*

## DESCRIPTION OF EVENT

### **Near Miss - 600v Plug Ark Flash (SIFp)**

Millwrights were replacing a forming line belt using a hydraulic winder to pull and coil the belts. During the work, they experienced power issues with the hydraulic unit. One of the millwrights went to troubleshoot the unit. They grabbed the plug to check the connection from 600-volt disconnect and the hydraulic unit when the plug arc flashed.

The root cause of the incident was determined to be a loose connection inside the 600v plug which led an internal failure and the arc flash.

The plug was only being held together by the strain relief. The loose connection wasn't visible in the pre-use inspection.



## SUGGESTED ACTIONS

- Repair the damaged cable and conduct an inventory of other high-voltage equipment to schedule follow-up inspections.
- Review and update the critical tools inspection program to ensure electrical equipment is included - not just items like ladders, slings, mobile equipment, etc.

## MOST IMPORTANT TAKE AWAY

**Audit the critical tools inspection program to ensure electrical equipment is included - not just ladders, slings, mobile equipment, etc.**

