

# MANUFACTURING SAFETY ALERT

Ask Yourself  
“Could it happen here?”

## DESCRIPTION OF EVENT

### Failed Electrical Connection

After undergoing routine maintenance on an air compressor, the unit was restarted. When it started back up, the green electrical cabinet suddenly blew open and a bright flash and small explosion occurred.

The electrical lead hand and shift electrician immediately inspected the unit and discovered the cable lugs on the air compressor had melted. A post-inspection found the fuses were still intact.

## SUGGESTED ACTIONS

- Inspect all the cabinets mill-wide to make sure they are properly sealed.
- Communicate the incident to all employees to keep them informed.
- Distribute proper safety procedures to all electricians regarding the use of proper torque rating, lug size, and bolt placement when repairing cabinets.
- Create work orders to consistently use infrared cameras on all cabinets in the future.
- Order and post signs to remind all electricians to follow procedures and ensure all bolts are sealed properly.



## IMPORTANT TAKE AWAY

Ensure regularly planned thermal imaging of electrical equipment occurs and the electricians understand and comply with proper torque rating, lug size and bolt placement when repairing cabinets.

