

## **Electrocution – Inspection #1105744**

A **46 year old male** employee was fatally injured when he was electrocuted while troubleshooting a motor on a conveyor. The victim obtained a work order that the North Tank conveyor on assembly line #2 had stopped working. The North & South Tank assembly lines had been relocated from another employer and installed at this location approximately four years prior to the accident. This was the first time maintenance had worked on either conveyor motor since installation at this site. After obtaining the information from the group leader, the victim proceeded to crawl under the conveyor to troubleshoot the motor. A production employee subsequently noticed the victim was not moving. The victim was found under the conveyor, unresponsive, with blood on his cheek. First aid and CPR were administered immediately. It was determined during the investigation, that the victim utilized the cord and plug method for lock out tag out in attempt to de-energize the North Tank conveyor motor. The victim was unaware that the male end of the conveyor motor plug was still energized at 460 volts, and attached to the disconnect side in the “on” position. The North and South Tank assembly lines had been wired incorrectly during installation. The correct wiring method would have been the female end on the disconnect side, and the male end on the motor side. The victim was electrocuted when inadvertently touched the energized male end of the plug.

### **Citation(s) as Originally Issued**

A complete inspection was conducted at the accident scene. Some of the items cited may not directly relate to the fatality.

#### **Citation 1 Item 1**

29 CFR 1910.303(b)(2)	Listed or labeled equipment was not installed and used in accordance with any instructions included in the listing and labeling. In that a) the power cord from the disconnect for the North Tank conveyor motor located at the yellow tank air compressor assembly line, was installed with the male plug end at the end of the cord, exposing the employee to 460 volts when the cord was unplugged; b) the power cord from the disconnect for the South tank conveyor motor located at the yellow tank air compressor assembly line, was installed with the male plug end at the end of the cord, exposing the employee to 460 volts when the cord was unplugged.
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#### **Citation 2 Item 1**

TDL&WFD Rule 0800-01-03-.03(27)(b)1	The log of all recordable work-related injuries and illnesses was not completed in the detail as required by the rule. In that the OSHA 300 logs for 2012, 2014 and 2015 were not completed in the required detail.
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Photo 1 of 1 – Photo of the drive motor for the North Tank conveyor. The victim was found on the concrete directly below this motor. The multi meter and screwdriver were both left in the area from work taking place after the accident occurred.