



Safety Flash  
SF-2017-037  
IMPACT #9718

## Line of Fire Foot Injury During Crane Deployment

### Event Location:

Los Angeles Refinery -Wilmington Receiving, Pumping and Shipping (RP&S)

### Date of Event:

June 15, 2017

### Event Description:

Two contract employees, a crane operator and a spotter, were extending the crane's stabilizing outriggers in preparation for a lift. The spotter gave the crane operator a "thumbs up" to proceed with outrigger placement. The crane operator then turned around in his seat, facing away from the spotter, and began to extend the outriggers.

While out of the line of sight of the crane operator, the spotter moved into the line of fire to grab his gloves located on the right rear of the crane carry deck. Moving to grab his gloves placed the spotter's right foot into the line of fire, directly between the wooden pad and a moving outrigger. The resulting foot injury included two broken toes on the right foot, making this incident an OSHA Recordable injury.

### Immediate Observations:

- ✓ The crane operator was wearing protective shoes as required.
- ✓ The crane operator lost sight of the spotter during the deployment of the crane's outriggers.
- ✓ The spotter moved into the line of fire after giving a thumbs-up signal to the crane operator to begin deploying the outriggers.

### Lessons:

- ✓ Discussions between a crane operator and a designated spotter must include the set-up of the crane, expectations, responsibilities and communications to ensure safe movement of the outriggers.
- ✓ It is important to remain focused on your primary task until it's completed.
- ✓ Before entering into the swing radius of any crane, including the outrigger deployment zones, personnel must directly communicate with the crane operator to gain approval.

**Important:** A Tesoro Safety Flash communicates immediate observations about an Event and does not replace any ongoing investigation.



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Crane's outriggers already placed on pads



Crane operator inside cab

Location of spotter's gloves

Point of injury; spotter placed foot on pad as outrigger deployed

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