

SAFETY ALERT NOTIFICATION		Safety Alert #	SA – 2017 - 5
 <h2 style="margin: 0;">Chino Motor Stand Design</h2>		IMS #	75320
		OPERATION:	Chino Mines
		INCIDENT DATE:	2/27/2017
		TIME:	3:00 PM
		TYPE:	Property Damage
Issued By: Sean Maddock		Contact For Additional Details: 575-912-5307	

**This is NOT an investigation report. It is a NOTIFICATION of a Significant Incident that has taken place at a Freeport-McMoRan location. The information below is a preliminary assessment and not a formal investigation.**

### INCIDENT DESCRIPTION

On 02/27/2017 an SX maintenance employee was tasked with unloading a 700 HP vertical pump motor off a vendor delivery truck with a Hyster forklift. They moved the forklift into place and realized the forks could not spread to the width required to utilize the pockets on the motor stand. The operator then decreased the fork width and positioned under the stand between the two fork pockets. Unfortunately, the stand that was being used was not the correct size and the motor was off center in the stand, with the bulk of the weight towards the front of the truck. As the load was lifted, it quickly went off balance and fell forward, causing damage to both the pump and the flatbed of the truck.

#### FATAL RISKS

#### HEALTH AND SAFETY POLICIES

**Falling Objects**

Choose an item.

**Lifting Operations**

Choose an item.

Choose an item.

Choose an item.

#### OTHER SIGNIFICANT RISK (specific to site or task not categorized as global)

- Load falling onto equipment or employees while lifting
- Equipment/property damage
- If the forklift had been able to spread out to use the fork pockets, the weight distribution of the load could have caused the forklift itself to tip over.

#### PROBABLE DIRECT CAUSES

- Motor stand was improperly engineered to have the center of the weight focused more on one side as opposed to being centered allowing the weight to be equally distributed.
- Forklift was not large enough to allow both fork pockets to be used.
- Operator did not perform an adequate risk assessment when making the decision to not use the fork pockets.

#### IMMEDIATE CORRECTIVE ACTION(S)

- Require that any stands coming in have to be engineered for lifting with forklifts. Any that do not must be unloaded with a crane.
- Communicated the event and associated expectations to all employees that are involved with these activities  
Site sent CCI engineer and senior mechanical supervisor to evaluate stands and discuss solutions with the vendor.

## REQUIRED ACTIONS(S)

- Continue collaboration with vendor to design and engineer stands that incorporate proper safety factors
- Ensure the vendor understands the expectations that all stands must be engineered prior to having FMI equipment placed on them and delivered to any branch.
- Communicate safety concerns with departments that unload/load motors or pumps.
- Identify all material shipment methods involving stands for similar potential hazards and verify they are properly engineered.



**This is NOT an investigation report. It is a NOTIFICATION of a Significant Incident that has taken place at a Freeport-McMoRan operation and is being communicated to enhance safety awareness should a similar situation exist. The information above is a preliminary assessment of the event and is not a formal investigation.**