



Abstract of an Accident

92-11

ACCIDENT TYPE: Crane Tipover
INJURY: Minor Contusions to Operator's Foot
PROPERTY DAMAGE: \$80K Estimated
TYPE OF WORK: Materials Handling
SAFETY EQUIPMENT: Safety Belt, Shoes Supplied and Worn

DESCRIPTION OF THE ACCIDENT:

Heavy equipment operator was slightly injured and 35 ton mobile crane he was operating was extensively damaged when it tipped over in 12 knot wind gusts after he raised the boom 62 degrees, fully extended it to 118 feet and swiveled it 75 degrees over the left side from the cradled position without first placing the outriggers.

DIRECT CAUSE:

The operator failed to use the crane's outriggers to stabilize the crane before operating the crane's boom assembly.

CONTRIBUTING CAUSES:

- Haste - Operator was hurrying to finish final "pick" before quitting for the day and forgot to place the outriggers
- Team complacency - Rigger assisting operator was not attuned to operation, left crane setup entirely to operator after guiding operator to locate the crane
- Weather - Wind gusts of 12 knots from the crane's right side added to the crane's instability

LESSONS LEARNED:

Cranes can tip without loads on the hook when not stabilized as required. Crane positioning, setup and operation is a team effort. All members of the team have a responsibility to ensure all critical safety aspects of the operation are completed.

Your **SAFETY** contact is...