

Activity: MAINTENANCE
Equipment: PORTABLE CONVEYORS
Task: EXTENSION OF CONVEYOR

Potential Hazard



Raising stackers and conveyors with front end loaders and other equipment presents a danger to workers on the ground and the potential for equipment damage. It is difficult to attach and detach rigging to the framework and requires personnel to climb the belt to do so. Inadvertent slippage and binding of the rigging could cause severe harm to those trying to insert the locking pins.

Safety Innovation



Adding hydraulic lift cylinders to raise and lower the conveyor provides a more effective solution. The lift is operated from the auxiliary hydraulics of a skid steer so that a separate hydraulic power pack for each conveyor is not required saving on the cost of installation, wiring, and maintenance. This method also removes the need for personnel to climb and descend conveyor belts thus eliminating the need for fall protection. Ground personnel can insert locking pins from the side with ease and there is no potential for the conveyor to slip in the rigging and cause injury.

For additional information regarding this Safety Innovation, or to submit your own Safety Innovation, please contact Douglas E. Needham, P.E., Michigan Aggregates Association at dneedham@miagg.org.

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