

Weyerhaeuser Company Dierks Lumber Facility Dierks, AR

Gang Saw Clam Lid Remote Operation
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Gang Saw Clam Lid Remote Operation - 2014.1

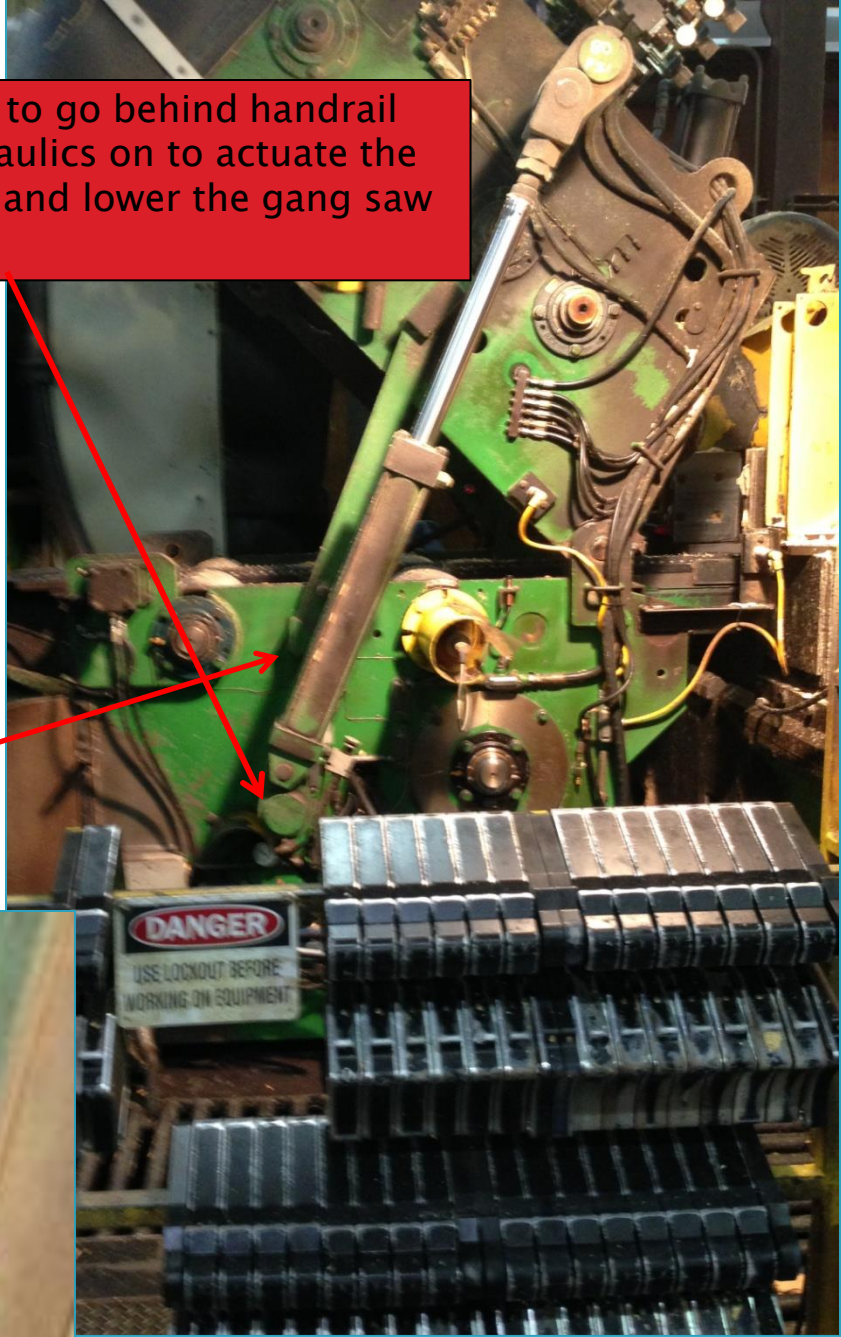
SAFETY NEED WAS IDENTIFIED

- ▶ An injury had occurred at another mill and as a result, we went to our gang saw to look at where we could reduce or mitigate risks/hazards at this machine center.
- ▶ Lockout exception was in place to open and close the gang saw clam lid. This clam lid opens up so you have access to the saws.
 - To open and close the gang saw clam lid, a person had to go inside the handrails to manually actuate the valve that operates the cylinder
 - There was a SOP to do this process.
 - This task is performed a few times daily.

Goal: To eliminate the lockout exception for opening and closing the gang saw clam lid.



Operator had to go behind handrail with the hydraulics on to actuate the valve to raise and lower the gang saw clam lid.



Operator had to manually hand pull the latch arm in place to protect against gravity energy on the clam shell. Also, the operator had to pull the latch arm out to allow the clam shell to lower.

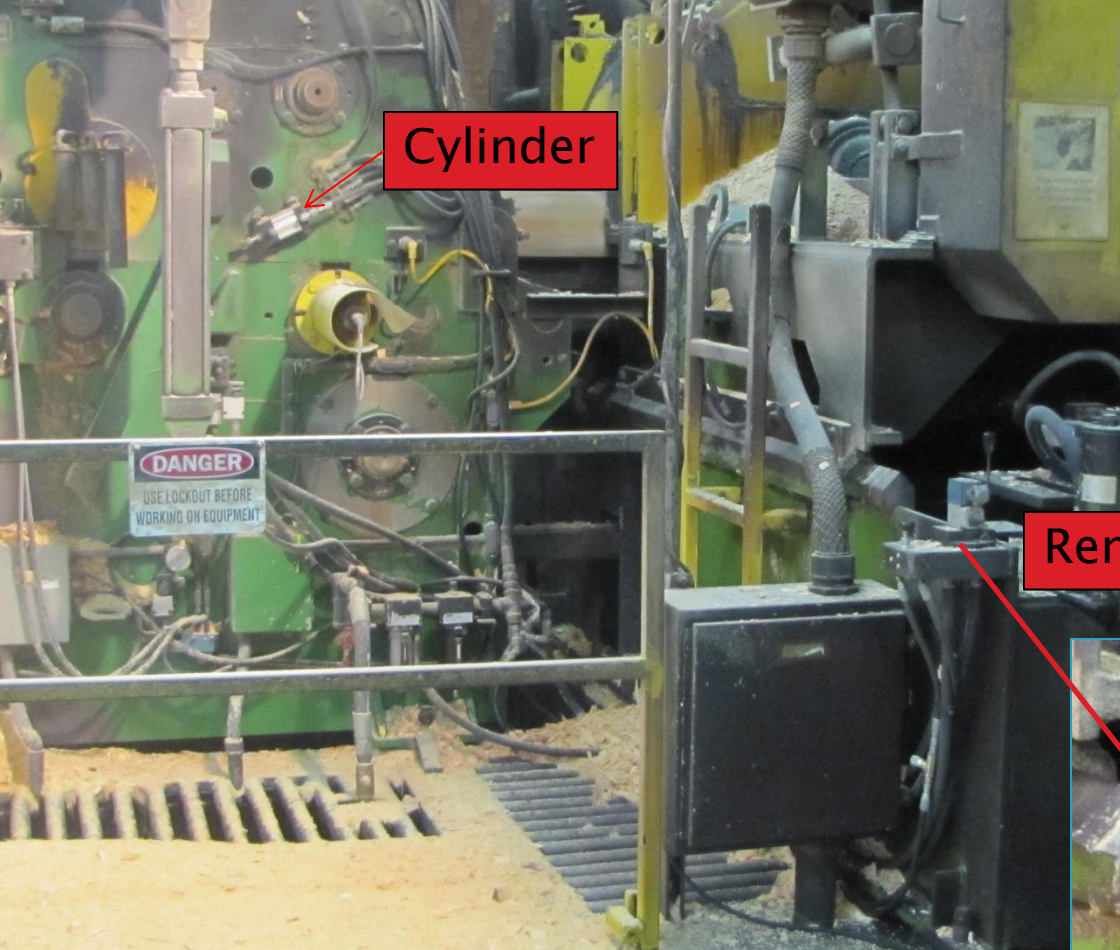


PLAN DEVELOPED

- ▶ Corey Hughes, sawmill maintenance supervisor/planner headed up this project.
 - A team of electrical, filing and grinding, and operational personnel was put together to develop a plan.
- Plan:
 - Remote mount the manual hydraulic valve so that it could be actuated from behind the handrail.
 - Install a small air cylinder that would lift the latch arm while the clam lid was being lowered. This was previously a manual task.
 - This plan was executed over a weekend. Our Management of Change Process which includes all safety changes, SOP, revisions in any processes, etc. was completed and training was completed with all employees involved in this task. We were able to eliminate this lockout exception.

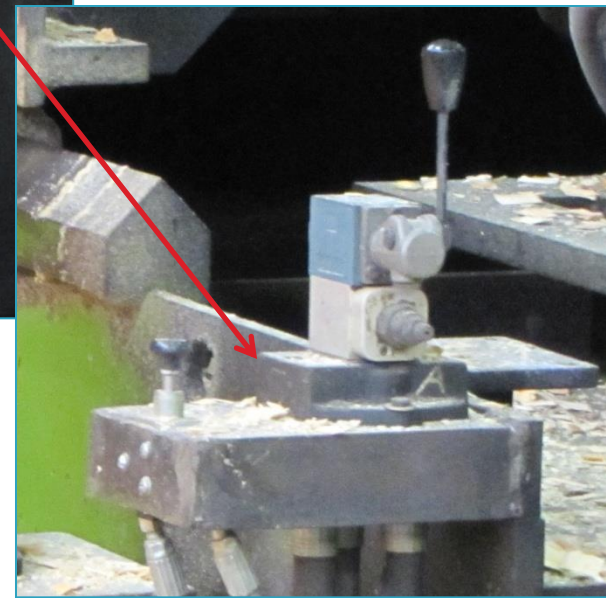
Results – Eliminated the Lockout Exception

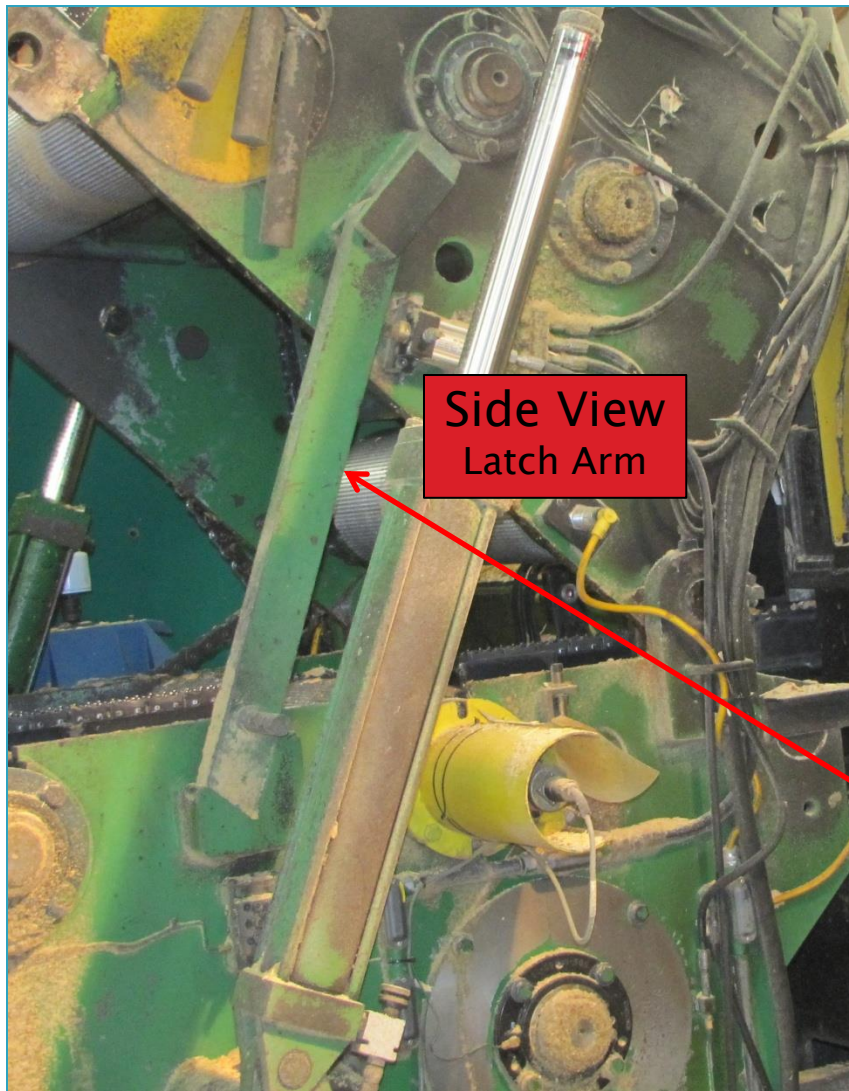
- ▶ All of this work can now be done outside of the handrail – allowing full lockout anytime that we have to work inside of the handrail. The process change eliminates this safety risk.
- ▶ This type of equipment is in almost all of the Weyerhaeuser lumber mills. This innovation was quickly shared and has been replicated across our lumber business; therefore, eliminating this safety risk across the lumber business.
- ▶ The total cost of this installation was approximately \$600.



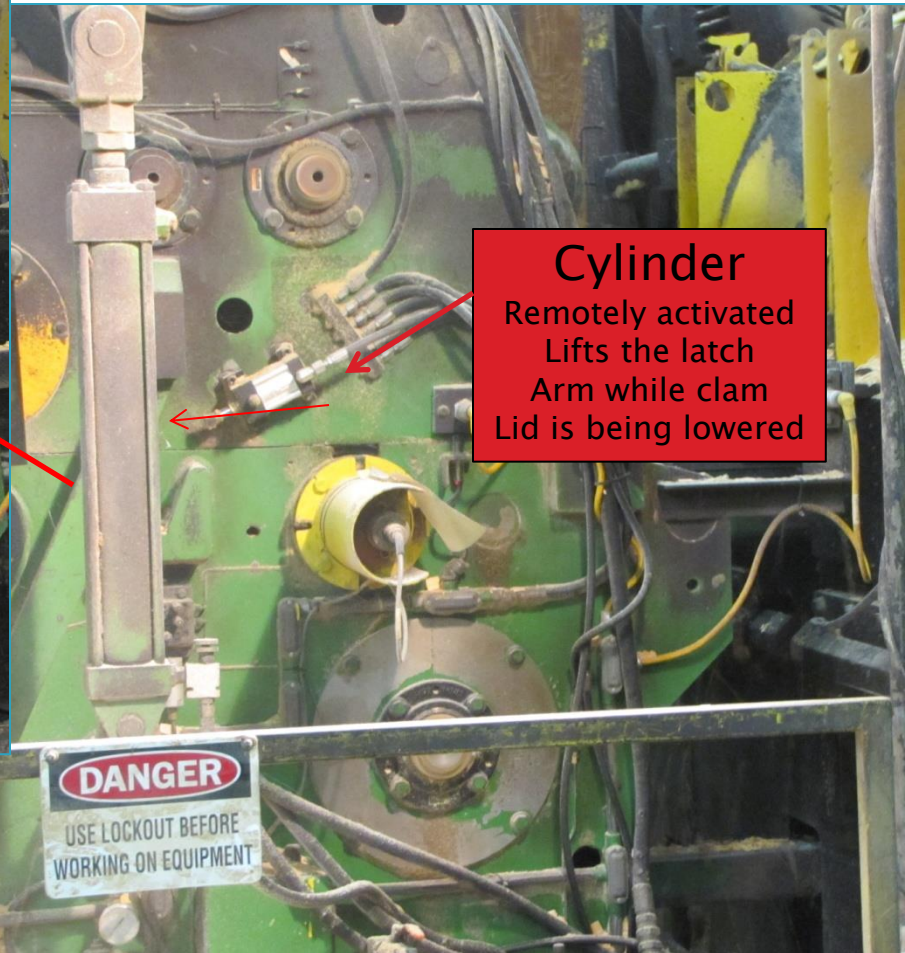
Cylinder

Remote Actuator





Side View
Latch Arm



Cylinder
Remotely activated
Lifts the latch
Arm while clam
Lid is being lowered

DANGER
USE LOCKOUT BEFORE
WORKING ON EQUIPMENT

Parts list for the modification on Gang Saw Clam Lid Remote Operation

- ▶ Cylinder – Parker 4MA series Model No. 02.00
CC4MAU14AC 1.250 Serial No. WW777770 A
- ▶ Valve – Parker push button Part No.
524411000