



UNC
ENVIRONMENT,
HEALTH & SAFETY

Job Safety Analysis

Safety Information for The University of North Carolina at Chapel Hill

JOB SAFETY ANALYSIS TOPIC:

Hydraulic Press



Title	Work Task	Hazards	Controls
<p>Prework Tasks</p>	<p>Read over the operator's manual found here: http://www.dakecorp.com/uploads/pdfs/manuals/25H.pdf</p> <p>Don PPE (Safety glasses, leather or fabric gloves)</p> <p>Check the machine to ensure all hydraulic lines are good and pressure is relieved on the line before work starts</p> <p>Ensure parts are properly lubricated</p> <p>Ensure all parts are where they need to be and settings are proper for the job being performed</p>	<p>Pinch hazards from converging parts</p> <p>Hydraulic Fluid or Oil leaks</p> <p>Broken lines or pressure gauge</p> <p>Improper settings for job about to be performed</p> <p>Dropping material onto feet</p> <p>Lack of machine guards</p>	<p>Keep fingers out of any potential pinch zones and out of the way of moving parts</p> <p>Check lines and machine for any holes, puddles under the machine, or lack of oil or hydraulic fluid</p> <p>Check pressure gauge to see if it moves with the addition of pressure</p> <p>Make sure the machine is set to the proper specifications for the job being performed</p> <p>Steel toe shoes to mitigate injury from dropping material</p> <p>Add or adjust machine guards before doing any work</p>

Using the press	Place and lock down the material that is about to be pressed Start moving lever up and down to get nose piece over desired area Continue to press until the desired outcome is achieved	Pinch hazards from moving parts Flying debris hazards from the pressure being put on the material being pressed Dropping/Falling material	Keep body parts away from press area while the machine is working Pay attention while working on the press Have machine guards in place and wear eye protection Steel toe shoes to protect feet from falling material

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Title	Work Task	Hazards	Controls
Clean Up/Finish Work	Remove the pressure from the press by twisting the relief valve. Make sure the gauge is reading 0 and all pressure is gone. This will free the material from the press and allow the worker to grab it Place the press back into its normal position and store parts in their proper location Doff PPE (gloves and safety glasses)	Pinch hazards from moving parts Hydraulic fluid/oil spill Line break from over pressurization Dropping/falling material	Ensure all steps are taken and pressure is off lines before putting hand into the work area Inspect lines after work to see if any leakage had occurred while line was pressurized Keep safety glasses and gloves on until all steps are complete Steel toe shoes to protect feet from falling material
Training	Employees must have hands on training in the proper use of this piece of equipment.	Supervisor is to fill out the turn in the form to UNC-CH Environment, Health and Safety and 'Supervisor Led Training Form' for documentation of proper training	

Created By	<p style="text-align: center;">Cory Kirkland, Facilities Safety Officer Terry Brady, HVAC Technician</p>		
Referenced Material	<p>http://www.dakecorp.com/uploads/pdfs/manuals/25H.pdf</p> <p>http://engineering.usask.ca/mech/documents/safety/general%20documents/JSA%20-%20Hydraulic%20Press%20-%20V1%20-%20General.pdf</p> <p>http://www.dakecorp.com/products/hydraulic-presses/hand-operated-press-25h</p>		
Contact Info	<p>For more information about this JSA and other JSAs, contact: <i>UNC-CH Department of Environment, Health and Safety</i> 1120 Estes Drive Extension, Chapel Hill NC 27599 CB# 1650 (919) 962-5507 ☎ http://ehs.unc.edu</p>		