



Document Name:
Dieffenbacher Press PM (Semi-Annual) -
Mechanical

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Division: Product and Process Development

Document Number: PLA-PM-002

*** All work must be completed by either a millwright, certified tradesperson or competent person through verified experience***

Date: FEB 16/22 Time to complete (hrs): 5 Name: N McDagel

*** Yellow indicates safety equipment ***

#	ITEM DESCRIPTION	COMPLETE YES / NO	DEFICIENCIES FOUND / ACTIONS TAKEN / COMMENTS
Hydraulic and Mechanical in mold bed area			
1	Inspect main towers for oil / water leaks	✓	
2	Inspect main towers for loose or damaged electrical connections	✓	
3	Inspect 3' return pipe and mounts for tightness in rh tower	✓	
4	Inspect stroke transducer mounts in RH tower	✓	
5	Inspect quick connects for damage in lh tower	✓	
6	Inspect and clean y strainer filter screen on LH side	✓	
Hydraulic, Mechanical on the Movable Platen			
1	Inspect tracks for hydraulic roller guides (8 rollers on 4 tracks)	✓	
2	Grease all 8 roller axles w/ EP2	✓	
3	Check roller guide mount bolts (4x24mm)	✓	
4	Check all guide cylinder rods. look for leaks at the rod glands and check rod end "pusher" bolt/nut is tight		N/A
5	Inspect the 100mm hydraulic lines, mounting and fittings feeding the roller guide cylinders on each guide	✓	
6	Inspect moveable platen hydraulic & steam , steel plumbing and mounting, disconnects on both sides of the platen	✓	
7	Inspect on moveable platen the two cable / hose tracks from the top of the platen to the machine.	✓	
8	Check the connecting bolts that attach the rods of the movement and clamp cylinders to the top of the moveable platen		N/A
9	Look in and on the top side of the platen for any signs of oil leaks from the hydraulic plumbing or leaks from the platens movement and clamp cylinders	✓	
Hydraulic / Mechanical on upper deck			
1	Check all hydraulic steel plumbing, hoses, valves, pressure guages, filter assemblies and accumulators for signs of leakage, loose mountings and electrical connections or other problems	✓	
2	Check the main tank covers for loose or missing fasteners. check the air breathers for signs of debris or oil on the outside and clean or replace if necessary	✓	
3	Check the ram/rod connecting beam located between the pre-fill tanks and check for loose or missing fasteners or any other obvious problems.		N/A
4	Check all seven of the electrical motors for the hydraulic pumps and their electrical connections. check the cooling fans and ensure the screens are clear.	✓	

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5	Apply single shot of grease to six of the seven hydraulic pumps.	✓	
6	Inspect the bank of accumulators and their hydraulic plumbing. check for leaks, damaged pressure gauges etc.	✓	
Safety equipment, upper deck			
1	Inspect the collapsible ladder. operate and check the overall condition of the framework, ladder, its storage dog latches, rope and fasteners to the press.	✓	
2	Inspect the upper deck access door at top of ladder. check its hinges, it's stops on the door jamb	✓	
3	Check the walls that surround the upper deck. check that all parts and ieces are in safe working order.	✓	
4	Check the upper deck's floor to ensure all it's parts and pieces are secure. check for any oil spills or debris or other trip hazards	✓	