Pump skid teardown

Tear down, repair and reassemble a triplex pump skid in the yard

Starting point. Yard work feels safer than the pad and the injury log says otherwise.

Site _____ **Date** _____ **Crew** _____ **Job number** _____

#	Task	Hazards	Controls	Who	Residual
1	Set up the work area	Trips over hoses and parts; forklift traffic through the bay	Mark the area; one path in and out; parts on a table or in a bin, not on the floor	Helper	Low
2	Isolate energy: electrical, hydraulic, stored pressure, gravity	Unexpected start; hydraulic injection; a raised component falling	Lock and tag every source; bleed hydraulics to zero and verify; block or crib anything that can fall; try the start before working	Mechanic	Medium
3	Drain fluids	Slips; skin contact; hot oil if recently run	Drain pans in place before opening; let it cool; gloves and eye protection; absorbent at hand	Helper	Low
4	Remove heavy components with the lift	Crush under a load; rigging failure; hand between load and frame	Rated rigging inspected before the lift; tag lines, not hands, to guide; nobody under the load; set on cribbing, never on a hand	Lift operator, mechanic	Medium
5	Disassemble the fluid end	Spring-loaded parts releasing; pinch at the cover; struck by a stuck part coming free	Know which parts are under spring load before you pull them; pullers, not pry bars, on stuck parts; face turned when it lets go	Mechanic	Medium
6	Clean and inspect parts	Solvent exposure; compressed air; flying debris	Solvent per its label, gloves and eye protection; air below 30 psi for cleaning and never at a person; parts washer lid down	Helper	Low
7	Reassemble and torque	Pinch during alignment; wrench slip; wrong torque	Alignment pins before fingers; torque to the manual, in sequence; second person checks the sequence	Mechanic, helper	Low
8	Remove locks, test run	Start with a hand or tool still inside; leak under pressure	Everyone accounts for their own lock; walkdown before the first start; stand clear for the first run; check for leaks at low pressure first	Mechanic	Medium

STOP WORK. Any one of these and the job stops until it is settled.

1. A lock you did not put on
2. A part under spring load you were not expecting
3. Anything raised without cribbing under it

Pump skid teardown (continued)

Crew sign-off

Everyone on this job signs before work starts. A JSA filled in by one person in the truck is a form, not a JSA.

Name (printed)	Signature	Time on	Time off

Supervisor. Sign here if any step is still High after its controls, before that step starts.

Supervisor _____ **Date** _____