Preventive Maintenance and Inspection Checklist

Truck No. _____ Location _____ Date _____

Model Number _____ Serial Number _____

Odometer _____ Hours Meter _____ Inspector _____

All Inspections, adjustments, repairs and lubrication must be performed in accordance with Posi-Plus specifications.
Refer to applicable Manual.

Intervals

- o 340 PTO hours/4 month
- o 1,000 PTO hours/1 year
- o 5,000 PTO hours/5 years
- o Other _____

Symbols

- √ = Okay or completed
- C= Corrected by inspector
- R= Repair or replacement required
- U= Unsafe to operate
- X= See remarks
- N/A= Not applicable

340 Hours or 4 Month and 1,000 Hours or 1 Year			
PTO		**Hydraulic Reservoir**	
	Operation		Mounting (bolts tight, welds intact, no cracks)
	Noise level		No leaks
	Mounting bolts tight		Both shutoff valves fully open
	No leaks		Drain water from bottom
Chassis Underside			Check oil level and condition
	Hoses (routing, condition, no leaks)	**Filters**	
	Exhaust shields		Change return line filter
Pump		**Ground Level Tools Circuit (Optional)**	
	Mounting bolts tight		Operation
	Noise level		No leaks
	No leaks		Hoses (routing, condition)
			Quick couplers (condition, operation, dust caps)
		Hydraulic System Pressure	
Unit Mounting			Main system pressure (2800 PSI)
	Subbase mounting (no cracks, welds intact, bolt tight)		Tool system pressure 2000 psi (maximum) (optional)
	Subbase structure (welds intact, no cracks)		
	Pedestal mounting (welds intact, no cracks)		
	Boom rest (welds intact, no deformation or cracks)		
	Utility body mounting (bolts tight, welds intact, no cracks)		
Lower Control Station		**Lower Boom**	
	Placards and decals (condition, readable)		Structure (welds intact, no deformation or cracks)
	Emergency lowering DC pump switch operation		Lift cylinder pivot pin (retainer condition, bolt tight and retaining rings in place)
	Lower control valve (operation, no leaks)		Check leveling chains and idlers (lubricate if necessary)
	Tools control valve (operation, no leaks) (optional)		Jam nuts on leveling chain turnbuckles (in place, tight)
			Remove an debris from inside lower boom

Pedestal			
	Structure (welds intact, no deformation or cracks)	**Upper boom lift cylinder**	
	Hoses and tubes (routing, condition)		Cylinder attachment pins (retainer condition, bolts tight and lock wired, retaining rings in place)
	No leaks		Pivot bearings secure within cylinder eyes
	Rotation bearing cap screws (properly torqued)		Operation
	Rotary joint mounting bolts tight		No leaks
	Slip ring mounting bolts tight		Holding valves (operation, no leaks)
			Chromed rod condition
Turntable		**Elbow**	
	Structure (welds intact, no deformation or cracks)		Elbow pin (bolts tight, welds intact on flange)
	Main boom pivot pin (forged pin retainer condition, bolt tight and retaining rings in place)		Pins securing upper boom drive mechanism (bolts tight, welds intact on flanges)
	Lower boom cylinder pivot pin (retainer condition, retaining rings in place)	**Upper Boom**	
	Hoses and tubes (routing, condition)		Structure (welds intact, no deformation or cracks)
	No leaks		Check leveling chain and idlers (lubricate if necessary)
	Leveling chain anchor pin (retainer condition, in place)		Jam nuts on leveling turnbuckles (in place, tight)
Rotating Bearing and Gearbox			
	Gearbox mounting bolts tight		Hose assembly (no leaks, securely attached to tension rod)
	Rotation motor mounting bolts tight		Tension rod (securely attached, tightened)
	No leaks		No leaks
	Gearbox oil level		All covers in place
	Pinion gear teeth condition		Upper boom stow lock down system (condition, all parts in place, lock works)
	Rotation bearing gear teeth condition		Upper boom stow pad (condition, in place)
	Pinion to rotation gear backlash		Boom tip weldment (welds intact, no deformation or cracks)
	Gearbox internal lost motion		Boom tip fasteners (tight)
	Operation (smoothness and noise level)		Boom tip sprocket (condition, looseness)
	Turntable tilt measurement		Boom tip cover (condition, in place)
Lower Boom Lift Cylinder			
	Pivot bearings secure within cylinder eyes		Remove any debris from inside upper boom
	Operation		
	No leaks		
	Holding valves (operation, no leaks)		
	Chromed rod condition		
Platform		**Tools at Platform (optional)**	
	Mounting bracket (welds intact, no deformation or cracks)		Quick disconnects (conditions, operation, no leaks)
	Mounting bracket covers (condition, mounting)		Quick disconnect dust caps (condition, in place)
	Platform mounting bolts tight		Hoses (condition, routing, no leaks)
	Platform (condition, cleanliness)	**Platform Tilt System**	
	Platform angle (leveling system tension correct)		Operation with ball lock pin
	Liner (condition, cleanliness) (optional)		Lock pin
	Placards and decals (condition, in place, readable)	**Lubrication**	
	Platform cover (condition, mounting) (optional)		Refer to Lubrication Chart and Diagram
	Platform control cover (condition, mounting) (optional)	**Welds (refer to Welds, Figure 4.8)**	
	Valve (condition, mounting)		Lower boom cylinder mount on lower boom
	Hoses (no leaks, routing, not pinched or pulled)		Lower boom cylinder mount on turntable
	Safety belt & lanyard(s) (condition, in place)		Upper boom cylinder mounts
	Lanyard attachment point (Bolt tight, no cracks)		Upper boom end weldment
	Platform accessory mounting brackets (condition, mounting)		

Upper Controls Station			
	Operation (metering, proper direction)		
	Operation placard (condition, readable)		
	No leaks		
	Mechanical linkage (operation, adjustment, lubrication)		
	Rubber boot (condition, in place)		
	Interlock linkage (condition, adjustment, lubrication)		
	Blocking section of upper control valve (operation, no leaks)		

1,000 Hours or 1 Year			
Hydraulic Reservoir and System		**Lubrication**	
	Clean or change filler breather cap		Rotation bearing ball race
			Lubricate pump input shaft splines
	Clean or change filler hole strainer	**General**	
	Collect oil sample for analysis, change oil if necessary		Rotation bearing cap screws torque
			Dielectric test unit
			Check critical torque fasteners

5,000 Hours or 5 Years			
Lubrication			
	Change rotation gear box oil		
Leveling system			
	Inspect the complete leveling system		
	Leveling chains, clean and inspect each link of the chains for rust, cracks, wear, jammed rollers (change if necessary)		
	Leveling rods (wear, cracks, end joint)		
	Leveling sprockets, clean and inspect for wear		