Posi-Plus Aerial Device Inspection Checklist

Customer:		*Inspected by:*	
Location:		*Vehicle #:*	
Division:		*Vehicle Odometer:*	
Work order number:		*Model Number:*	***700***
Date:		*Serial Number:*	
Date (End):		*PTO/Pump. Hour meter:*	

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

Intervals PTO/Pump

___ *340 PTO/Pump hours or 4 months*

___ *1,000 PTO/Pump hours or 1 year* ___ *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 Months and 1000 Hours or 1 Year

Hydraulic Reservoir		**Upper Boom**	
	Oil level		Surface condition
	Oil leaks		Wear pads condition
Lubrication			
	Refer to Lubrication chart Table 4.6.1	**120 Volt AC Power Source**	
	Page 38		Ground fault interrupter test
		Extension Cylinder	
			Extension cylinder pins tight
			Pins and retaining rings secure
			Hoses and tubes (routing and condition)
Belt Driven Pump			Operation
	Operation		No leaks
	Noise level		Holding valve (mounting & operation)
	Mounting bolts tight		
	Lubrication	**Lower boom**	
	Belts' wear		Structure (welds intact, no deformation or cracks)
Pump			Lift cylinder pivot pin (retainer condition, bolt tight)
	Mounting bolts tight		Slide bearing cap screws tight
	Exhaust shields (mounting, condition)		Fasteners tight
	Noise level		Hose carrier track (condition, links pivot freely)
	No leaks		
Chassis Underside		**Side Load Protection**	
	Hoses (routing, condition, no leaks)		Counterclockwise side load set per manual ___ lbs
	Exhaust shields (mounting, condition)		Clockwise side load set per manual _____ lbs

340 Hours or 4 Months and 1000 Hours or 1 Year

Unit Mounting	
	Sub base mounting (no cracks, welds intact, bolts tight)
	Sub base 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)
Hydraulic Reservoir	
	Mounting (bolts tight, welds intact, no cracks)
	No leaks
	Gate valve fully open
	Drain water from bottom
	Collect oil sample for analysis
Filters	
	Check return line filter element condition, change if necessary
	Check air breather cleanliness, replace if necessary
Rotation Bearing and Gearbox	
	Gearbox mounting bolts tight
	Motor mounting bolts tight
	No leaks
	Gearbox oil level
	Pinion gear teeth condition
	Rotation bearing gear teeth condition
	Pinion/rotation bearing gear backlash
	Gearbox internal lost motion
	Operation (smoothness and noise level)
	Turntable tilt measurement _____, per procedure in Maintenance Manual.
Lift cylinder	
	Pivot bearings secure within cylinder eyes
	Operation
	No leaks
	Holding valve (no cylinder leak down when manual override handle for boom raise is shifted)
	Chromed rod condition
	Pins tight + secured
	Hoses + tubes (routing, condition)
	Bushing (wear, condition, lubrication)

Hydraulic System Pressure	
	Boom functions per manual _____ psi
Lower Control Station	
	Placards and decals (condition, readable)
	Override/Emergency pump switch (operation)
	Lower control valve operation
	Emergency stop test
Pedestal	
	Structure (welds intact, no deformation or cracks)
	Hoses and tubes (routing, condition)
	No leaks
	Rotation bearing bolts tight
	Junction box electrical connections secure
	Rotation stop mechanism (operation)
Turntable	
	Structure (welds intact, no deformation or cracks)
	Boom pivot pin (retainer condition, bolt tight)
	Lift cylinder pivot pin (retainer condition, bolt tight)
	Hoses and tubes (routing, condition)
	No leaks
	Rotation bearing bolts tight
	Rotation stop mechanism (operation)
Upper boom	
	Structure (welds intact, no deformation or cracks)
	Surface condition
	Pins and retainers secure
	Fasteners tight
	Wear pads condition
	Hose carrier track (condition, links pivot freely)
Upper Boom Tip	
	Structure (welds intact, no deformation or cracks)
	Mounting to upper boom secure
	Platform mounting pins secure
Upper Controls	
	Hoses and wires (routing, condition, ties)
	Placards and decals (condition, readable)
	Emergency stop switch operation
	Water tightness, no rust inside enclosure
	Corrosion inhibitor (foam type)
Platform	
	Mounting secure
	Safety belt lanyard attachment loop welds intact
	Platform (condition, cleanliness)
	Placards and decals (condition, readable)