



Atlas Polar
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Inspection For Hiab Cranes

Customer _____ Shop Order # _____
 Crane Model _____ Date _____
 Truck Make/Model _____ Serial Number _____
 VIN _____
 Mounting Location: ☐ Behind Cab/☐ Rear / ☐ Other: _____

Instruction

Inspect crane to ensure the components listed are free from defect

- Check '**OK**', if component is free of defects
- Note the fault under '**Comments**', if the componet is defective, damaged, leaking, or missing parts. Do not check 'OK'
- If the component is not applicable, write '**N/A**' in the comments section.

<u>Component</u>	<u>OK</u>	<u>Comments</u>
1 Hydraulic Tank Oil Level	<input type="checkbox"/>	_____
2 Return Filter Guage	<input type="checkbox"/>	_____
3 Slewing Housing Oil Level	<input type="checkbox"/>	_____
4 Pivot Pinst Locking Bolts and washers, (Check Tightness)	<input type="checkbox"/>	_____
5 Play in Piviot pins and bushings	<input type="checkbox"/>	_____
6 Center of Control Levers/ Play in Linkages	<input type="checkbox"/>	_____
7 Hold-down bolts, nuts and frame spacers	<input type="checkbox"/>	_____
8 Hydraulic Hoses/Pipes/Connections	<input type="checkbox"/>	_____
9 Hose Swivels	<input type="checkbox"/>	_____
10 Control, Load holding, Additional Valves	<input type="checkbox"/>	_____
11 Left O/R Ext., Rollers, Pins, Pads, latches	<input type="checkbox"/>	_____
12 Right O/R Ext., Rollers, Pins, Pads, latches	<input type="checkbox"/>	_____
13 Left O/R Ext. & Support leg Cylinders	<input type="checkbox"/>	_____
14 Right O/R Ext. & Support Leg Cylinders	<input type="checkbox"/>	_____
15 Slewing Cylinder (s)	<input type="checkbox"/>	_____
16 1st (Inner) Boom Cylinder (s)	<input type="checkbox"/>	_____
17 2nd (Outer) Boom Cylinder (s)	<input type="checkbox"/>	_____
18 Extension Cylinder(s)	<input type="checkbox"/>	_____
19 Jib Cylinder (s)	<input type="checkbox"/>	_____
20 Jib Extension Cylinders (s)	<input type="checkbox"/>	_____
21 Base & 3 Point Bridge	<input type="checkbox"/>	_____
22 Column & Column Bushings	<input type="checkbox"/>	_____
23 1st (Inner) Boom	<input type="checkbox"/>	_____
24 2nd (Outer) Boom	<input type="checkbox"/>	_____

	<u>OK</u>	
25 Extension Booms	<input type="checkbox"/>	<hr/>
26 Jib S/N: _____	<input type="checkbox"/>	<hr/>
27 Jib Extension Booms	<input type="checkbox"/>	<hr/>
28 Hoist, Block, Wire Rope, Hook	<input type="checkbox"/>	<hr/>
29 Load Charts and Plates	<input type="checkbox"/>	<hr/>
30 Control Lever Symbols	<input type="checkbox"/>	<hr/>
31 Hose Reels or Trays, Hoses & Connections	<input type="checkbox"/>	<hr/>
32 Electric Cable Reels	<input type="checkbox"/>	<hr/>
33 Addition Warning Information Decals	<input type="checkbox"/>	<hr/>
34 Oil Cooler & Fan	<input type="checkbox"/>	<hr/>
35 Rotator, Fork, Fork Rollers or Accessories	<input type="checkbox"/>	<hr/>
36 Hydraulic Pump and PTO	<input type="checkbox"/>	<hr/>
37 Load Hook incl. Safety Latch	<input type="checkbox"/>	<hr/>

Hiab Remote Control System

See Separate Checklist for Polar Remote Control ☐ CD/ ☐ HiPro/ ☐ HiDuo/ ☐ Other: _____

NOTE: Download .sac file & Reset Service LED

Controller S/N: _____

<u>Components</u>	<u>OK</u>	<u>Comments</u>
1 Stop Switch, Buttons & Control Levers	<input type="checkbox"/>	<hr/>
3 Controller Guards	<input type="checkbox"/>	<hr/>
4 Horn	<input type="checkbox"/>	<hr/>
5 Lamp Pole	<input type="checkbox"/>	<hr/>
6 Boxes, wiring, connections and sensors	<input type="checkbox"/>	<hr/>

Functional Test

Perform a load test of the crane to verify it is lifting its rated capacities. Refer to cranes load chart. Record the test weight and outreach.

Test Weigh [lb/kg] _____ Crane Outreach [ft/m] _____

<u>Operation</u>	<u>OK</u>	<u>Comments</u>
1 Main Relief Valve Pressure	<input type="checkbox"/>	<hr/>
2 Crane Lifts Rated Capacity	<input type="checkbox"/>	<hr/>
3 Boom lowers or reaches OLP when extended past rated capacity	<input type="checkbox"/>	<hr/>
4 Load Holding Valves **	<input type="checkbox"/>	<hr/>

Set crane up at full capacity as shown on the load chart. Disengage pump. Move and hold lever on control valve out of center. Verify crane holds load for 3 minutes.

Inspected By: _____
Technician

Employee Number