



Atlantic Crane Inspection Services
P.O. Box 747
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Inspection Sautter Crane Rental

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Hydraulic Boom Crane Inspection Report (1910.180 & 1926.1400-1926.1441 as necessary)

Completed by: Chris Hunter on 08/09/2024

Location: Black Lake Place, Phila., PA
Serial #: 062 072
Unit #: S122

Manufacturer: Liebherr
Model: LTM 1090-4.1
Capacity: 100 Ton
Length/Lift: 164'
Type of Crane: Truck Crane (1910.180 & 1926.1400)
Number of Hoists: Main & Auxiliary (Not in Use)
Boom Configuration: Main Boom with Stowed Jib

Priorities Found: ● 3 - Medium ● 98 - Good

Customer Sign Off

1. Customer Sign Off

IF THERE ARE NO DEFICIENCIES NOTHING NEEDS TO BE DONE.

IF THERE ARE ANY HIGH, RED, DEFICIENCIES PLEASE FOLLOW THE BELOW INSTRUCTIONS

The deficiencies marked HIGH in RED shall be corrected and this report must be dated, signed and email THIS PAGE ONLY to either jaim@atlanticcrane.com or gina@atlanticcrane.com or fax THIS PAGE ONLY to our office at 215-639-2316 and a certification and sticker will be issued. The above deficiencies denoted with (REC, MEDIUM, ORANGE) are recommended and are not required to be corrected to achieve certification. However, those items should be corrected to improve equipment reliability and safety.

The undersigned verifies the listed deficiencies denoted with an (DEF, HIGH, RED) have been corrected.

Signature

Date

Inspection Information

2. Inspection Number	24080902CH
3. Inspection Date	08/09/2024
● 4. Inspection Type	(Ann) Annual

Information & Records

● 5. Documentation of Annual / Comprehensive Inspection	(SAT) Satisfactory
● 6. Hand Signal Chart	(SAT) Satisfactory
● 7. Safety and Warning Labels	(SAT) Satisfactory
● 8. Operator's Manual	(SAT) Satisfactory

Safety Devices / Operational Aids

● 9. Audible Reverse Signal Alarm	(SAT) Satisfactory
● 10. Audible Warning Device	(SAT) Satisfactory
● 11. Boom Angle Indicator	(SAT) Satisfactory
● 12. Boom Length Indicator	(SAT) Satisfactory
● 13. Drum Rotation Indicator	(SAT) Satisfactory

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● 14. Two-Block System	(SAT) Satisfactory
● 15. Load Moment Indicator	(SAT) Satisfactory
● 16. Load Weight Indicator	(SAT) Satisfactory
● 17. Level Indicator	(SAT) Satisfactory
● 18. Fire Extinguisher	(SAT) Satisfactory
Load Chart	
● 19. Load Chart	(SAT) Satisfactory
● 20. Per Configuration	(SAT) Satisfactory
● 21. Visible from Fixed Operator's Station	(SAT) Satisfactory
Carrier	
● 22. Steering	(SAT) Satisfactory
● 23. Parking Brake	(SAT) Satisfactory
● 24. External Lights (Headlights, Taillights, Brake Lights)	(SAT) Satisfactory
● 25. Windshield Wipers	(SAT) Satisfactory
● 26. Windows / Mirrors	(SAT) Satisfactory
● 27. Wheels/Tires	(SAT) Satisfactory
● 28. Engine Performance	(SAT) Satisfactory
● 29. Exhaust System	(SAT) Satisfactory
● 30. Drive Line	(SAT) Satisfactory
● 31. Main Frame Members	(SAT) Satisfactory
● 32. Hydraulic Hoses, Fittings, Tubes	(SAT) Satisfactory
● 33. Hydraulic Fluid Level	(SAT) Satisfactory
● 34. Hoses / Tubing / Fittings .	(SAT) Satisfactory
● 35. Slip Resistant Walking surface	(SAT) Satisfactory
Outriggers	
● 36. Boxes & Beams	(SAT) Satisfactory
● 37. Hydraulic Cylinders	(SAT) Satisfactory
● 38. Pad / Float	(SAT) Satisfactory
● 39. Hoses / Tubing / Fittings	(SAT) Satisfactory
● 40. Holding Valves	(SAT) Satisfactory
● 41. Caution / Warning Signs	(SAT) Satisfactory
Operator's Station	
● 42. Windows/Wipers	(SAT) Satisfactory
● 43. Cab Door Restraint	(SAT) Satisfactory
● 44. Cab Access	(SAT) Satisfactory
● 45. Steps / Ladders / Handrails	(SAT) Satisfactory
● 46. Anti-Skid Stepping Surfaces	(SAT) Satisfactory
● 47. Fire Extinguisher	(SAT) Satisfactory
● 48. Electrocution Warning Sign(s)	(SAT) Satisfactory
● 49. Horn	(SAT) Satisfactory
● 50. Controls Identified	(SAT) Satisfactory
● 51. Control Functions	(SAT) Satisfactory
● 52. Power Plant Controls	(SAT) Satisfactory
● 53. Operator Cutoff (Deadman) Switch	(SAT) Satisfactory
Rotating Upper Structure	
● 54. Engine Performance	(SAT) Satisfactory
● 55. Exhaust System/Guards & Insulators	(SAT) Satisfactory

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56.	Hoses	(REC) Recommendation	P62
	<i>Overflow hose for upper radiator is missing.</i>		
57.	Counterweight Frame	(SAT) Satisfactory	
58.	Ring and Pinion Gear	(SAT) Satisfactory	
59.	Hydraulic and Pneumatic Pumps	(SAT) Satisfactory	
60.	Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory	
61.	Hydraulic Pressure	(SAT) Satisfactory	
62.	Electrical Wiring	(SAT) Satisfactory	
63.	Swing System / Assembly	(SAT) Satisfactory	
64.	Counterweight Mounting	(SAT) Satisfactory	
65.	Counterweight Posted Warnings	(SAT) Satisfactory	
66.	Electrocution Posted Warnings	(SAT) Satisfactory	
67.	Structure	(SAT) Satisfactory	
Hoist System			
68.	Brakes and Clutch System	(SAT) Satisfactory	
69.	Wire Rope Reeving	(SAT) Satisfactory	
70.	2 Rope Wrap Minimum	(SAT) Satisfactory	
71.	Motor	(SAT) Satisfactory	
72.	Drums/Lagging/Flanges	(SAT) Satisfactory	
73.	Anchor System	(SAT) Satisfactory	
74.	Hoist Spooling	(SAT) Satisfactory	
Main Boom			
75.	Lift Cylinder(s)	(SAT) Satisfactory	
76.	Telescoping Boom Cylinder(s)	(SAT) Satisfactory	
77.	Hydraulic Hoses, Tubes, and Fittings	(SAT) Satisfactory	
78.	Holding Device	(SAT) Satisfactory	
79.	Boom Sections Alignment	(SAT) Satisfactory	
80.	Wear Pads	(SAT) Satisfactory	
81.	Sheaves	(SAT) Satisfactory	
82.	Boom Hinge Pin	(SAT) Satisfactory	
83.	Boom Head Section	(SAT) Satisfactory	
84.	Auxiliary Boom Head	(SAT) Satisfactory	
85.	Structure	(SAT) Satisfactory	
Jib/Fly Extension			
86.	Sheaves	(SAT) Satisfactory	
87.	Structure	(SAT) Satisfactory	
88.	Locking Device	(SAT) Satisfactory	
89.	Alignment	(SAT) Satisfactory	
90.	End Connections and Pins	(SAT) Satisfactory	
Main Drum Wire Rope			
91.	Diameter and wear		
	Size	Construction	Number of Parts of Line
	17mm	RR	2 parts
92.	Rope Damage	(SAT) None Visible at Time of inspection	
93.	Lubrication	(SAT) Satisfactory	
94.	End Connectors	(SAT) Satisfactory	

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Auxiliary drum wire rope

95. Diameter and wear

Size

Construction

Number of Parts of Line

17mm

RR

Main Hoist Load Block/Ball & Hook

● 96. Capacity Marking (REC) Recommendation

■ Block information has been painted over.

● 97. Weight Marking (REC) Recommendation

■ Block information has been painted over.

● 98. Sheave(s) (SAT) Satisfactory

● 99. Safety Latch(es) (SAT) Satisfactory

● 100. 0° Hook Bend or Twist (SAT) Satisfactory

● 101. 5% Hook Opening or 1/4" Max (SAT) Satisfactory

● 102. 10% Hook Wear Max (SAT) Satisfactory

● 103. Bearing (SAT) Satisfactory

● 104. Wedge Socket / End Fitting (SAT) Satisfactory

● 105. Reeving (SAT) Satisfactory

Verification and Completion

106. Inspector Name and Signature

Christopher J Hunter



● 107. Sticker Given (Y) Yes, Given on Site



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