



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 05/23/2023

Location:	USA
Serial #:	093 857
Unit #:	S249

Manufacturer:	Liebherr
Model:	LTM1200-5.1
Capacity:	240 ton
Length/Lift:	236 FT
Type of Crane:	Truck Crane (1910.180 & 1926.1400)
Number of Hoists:	Main & Auxiliary (Not in Use)
Boom Configuration:	Main Boom with Erected Jib

Priorities Found: ● 2 - Medium ● 1 - Low ● 96 - Good

Location of Equipment

1. Location of Equipment **Princeton, NJ**

Customer Sign Off

2. 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 jaime@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

3. Inspection Number	23052202CH
4. Inspection Date	05/22/2023
● 5. Inspection Type	(Ann) Annual

Information & Records

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

Safety Devices / Operational Aids

● 10. Audible Reverse Signal Alarm	(SAT) Satisfactory
● 11. Audible Warning Device	(SAT) Satisfactory
● 12. Boom Angle Indicator	(SAT) Satisfactory
● 13. Boom Length Indicator	(SAT) Satisfactory
● 14. Drum Rotation Indicator	(SAT) Satisfactory
● 15. Two-Block System	(SAT) Satisfactory

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●	16. Load Moment Indicator	(SAT) Satisfactory	
●	17. Load Weight Indicator	(SAT) Satisfactory	
●	18. Level Indicator	(SAT) Satisfactory	
●	19. Fire Extinguisher	(SAT) Satisfactory	
Load Chart			
●	20. Load Chart	(SAT) Satisfactory	
●	21. Per Configuration	(SAT) Satisfactory	
●	22. Visible from Fixed Operator's Station	(SAT) Satisfactory	
Carrier			
●	23. Steering	(SAT) Satisfactory	
●	24. Parking Brake	(SAT) Satisfactory	
●	25. External Lights (Headlights, Taillights, Brake Lights)	(SAT) Satisfactory	
●	26. Windshield Wipers	(SAT) Satisfactory	
●	27. Windows / Mirrors	(SAT) Satisfactory	
●	28. Wheels/Tires	(SAT) Satisfactory	
●	29. Engine Performance	(SAT) Satisfactory	
●	30. Exhaust System	(SAT) Satisfactory	
●	31. Drive Line	(SAT) Satisfactory	
●	32. Main Frame Members	(SAT) Satisfactory	
●	33. Hydraulic Hoses, Fittings, Tubes	(SAT) Satisfactory	
●	34. Hydraulic Fluid Level	(SAT) Satisfactory	
●	35. Hoses / Tubing / Fittings .	(SAT) Satisfactory	
●	36. Slip Resistant Walking surface	(SAT) Satisfactory	
Outriggers			
●	37. Boxes & Beams	(SAT) Satisfactory	
●	38. Hydraulic Cylinders	(SAT) Satisfactory	
●	39. Pad / Float	(REC) Recommendation	P44
■	<i>Pads sunk into ground and now aren't sitting level.</i>		
●	40. Hoses / Tubing / Fittings	(SAT) Satisfactory	
●	41. Holding Valves	(SAT) Satisfactory	
●	42. Caution / Warning Signs	(SAT) Satisfactory	
Operator's Station			
●	43. Windows/Wipers	(SAT) Satisfactory	
●	44. Cab Door Restraint	(SAT) Satisfactory	
●	45. Cab Access	(SAT) Satisfactory	
●	46. Steps / Ladders / Handrails	(SAT) Satisfactory	
●	47. Anti-Skid Stepping Surfaces	(SAT) Satisfactory	
●	48. Fire Extinguisher	(SAT) Satisfactory	
●	49. Electrocution Warning Sign(s)	(SAT) Satisfactory	
●	50. Horn	(SAT) Satisfactory	
●	51. Controls Identified	(SAT) Satisfactory	
●	52. Control Functions	(SAT) Satisfactory	
●	53. Power Plant Controls	(SAT) Satisfactory	
●	54. Operator Cutoff (Deadman) Switch	(SAT) Satisfactory	
Rotating Upper Structure			
●	55. Engine Performance	(SAT) Satisfactory	
●	56. Exhaust System/Guards & Insulators	(SAT) Satisfactory	
●	57. Hoses	(SAT) Satisfactory	

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58.	Counterweight Frame	(SAT) Satisfactory
59.	Ring and Pinion Gear	(SAT) Satisfactory
60.	Hydraulic and Pneumatic Pumps	(SAT) Satisfactory
61.	Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory
62.	Hydraulic Pressure	(SAT) Satisfactory
63.	Electrical Wiring	(SAT) Satisfactory
64.	Swing System / Assembly	(SAT) Satisfactory
65.	Counterweight Mounting	(SAT) Satisfactory
66.	Counterweight Posted Warnings	(SAT) Satisfactory
67.	Electrocution Posted Warnings	(SAT) Satisfactory
68.	Structure	(SAT) Satisfactory

Hoist System

69.	Brakes and Clutch System	(SAT) Satisfactory
70.	Wire Rope Reeving	(SAT) Satisfactory
71.	2 Rope Wrap Minimum	(SAT) Satisfactory
72.	Motor	(SAT) Satisfactory
73.	Drums/Lagging/Flanges	(SAT) Satisfactory
74.	Anchor System	(SAT) Satisfactory
75.	Hoist Spooling	(SAT) Satisfactory

Main Boom

76.	Lift Cylinder(s)	(MON) Monitor	P81
	<i>Mild weeping from seal.</i>		
77.	Telescoping Boom Cylinder(s)	(SAT) Satisfactory	
78.	Hydraulic Hoses, Tubes, and Fittings	(SAT) Satisfactory	
79.	Holding Device	(SAT) Satisfactory	
80.	Boom Sections Alignment	(SAT) Satisfactory	
81.	Wear Pads	(SAT) Satisfactory	
82.	Sheaves	(SAT) Satisfactory	
83.	Boom Hinge Pin	(SAT) Satisfactory	
84.	Boom Head Section	(SAT) Satisfactory	
85.	Auxiliary Boom Head	(SAT) Satisfactory	
86.	Structure	(SAT) Satisfactory	

Jib/Fly Extension


87.	Sheaves	(SAT) Satisfactory	
88.	Structure	(SAT) Satisfactory	
89.	Locking Device	(SAT) Satisfactory	
90.	Alignment	(SAT) Satisfactory	
91.	End Connections and Pins	(SAT) Satisfactory	

Main Drum Wire Rope

92.	Diameter and wear		
	Size	Construction	Number of Parts of Line
	23mm	RR	1 part
93.	Rope Damage	(REC) Yes, recommend replacement of wire rope	P98
	<i>1 broken wire and outer strands are starting to wear smooth. Recommend replacing before strands begin breaking more wires.</i>		
94.	Lubrication	(SAT) Satisfactory	
95.	End Connectors	(SAT) Satisfactory	

Auxiliary drum wire rope

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96. Diameter and wear		
Size	Construction	Number of Parts of Line
23mm	RR	
Main Hoist Load Block/Ball & Hook		
97. Capacity & Weight		
Capacity	Weight	
12.5 Ton	500 kg	
98. Capacity Marking		(SAT) Satisfactory
99. Weight Marking		(SAT) Satisfactory
100. Safety Latch(es)		(SAT) Satisfactory
101. 0° Hook Bend or Twist		(SAT) Satisfactory
102. 5% Hook Opening or 1/4" Max		(SAT) Satisfactory
103. 10% Hook Wear Max		(SAT) Satisfactory
104. Bearing		(SAT) Satisfactory
105. Wedge Socket / End Fitting		(SAT) Satisfactory
Verification and Completion		
106. Inspector Name and Signature		Christopher J Hunter
		
107. Sticker Given		(N) No, Will be Mailed



P44.1



P44.2

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P81.3



P98.4



P98.5