



Prepared for:

Sautter Crane Rental

on

7/29/2022

DISCLAIMER

Inspection reports are based upon observed procedures and inspections performed by Atlantic Crane Inspection Services, but are not intended to replace or supersede the necessity for routine or preventative maintenance procedures recommended by others, such as, but not limited to: manufacturers, operators, and other inspecting organizations. Referral to applicable regulation is essential with regard to responsibilities of owners and users for use, maintenance, and normal operational inspections. It is especially important that owners and users, regularly and by means of extraordinary disassembly and/or non-destructive testing arrange to effectively examine parts of the equipment which may be reasonably accessible by routine examinations, including such examinations by Atlantic Crane Inspection Services.

Equipment owners and users should assure continuous compliance with all manufacturer's specifications, including, but not limited to: full range accuracy of load indicating devices, machinery, etc. regardless of the extent to which specifications can be evaluated during Atlantic Crane Inspection Services.

Other requirements of applicable Federal and State regulations not specifically considered with the scope of recorded by related Atlantic Crane Inspections Services' reports, remain for the continuing attention and responsibility of equipment owner and users, including, but not limited to: adequate lighting, walkways, ladders, stairways, clearance between moving and fixed structures, electrical motor restart lockouts, fire extinguishers in the vicinity, etc.



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 07/29/2022

Location:	USA
Serial #:	092 570
Unit #:	S142

Manufacturer:	Liebherr
Model:	LTM 1100-5.2
Capacity:	110 Ton
Length/Lift:	171'
Type of Crane:	Truck Crane (1910.180 & 1926.1400)
Number of Hoists:	Main Only
Boom Configuration:	Main Boom with Stowed Jib

Priorities Found: ● 1 - Low ● 100 - Good

Customer Sign Off

- 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	22072901CH
3. Inspection Date	07/29/2022
● 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
● 14. Two-Block System	(SAT) Satisfactory
● 15. Load Moment Indicator	(SAT) Satisfactory


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● 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. Electrocutation 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
● 56. Hoses	(SAT) Satisfactory
● 57. Counterweight Frame	(SAT) Satisfactory

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● 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	
Main Boom		
● 74. Lift Cylinder(s)	(SAT) Satisfactory	
● 75. Telescoping Boom Cylinder(s)	(SAT) Satisfactory	
● 76. Hydraulic Hoses, Tubes, and Fittings	(SAT) Satisfactory	
● 77. Holding Device	(SAT) Satisfactory	
● 78. Boom Sections Alignment	(SAT) Satisfactory	
● 79. Wear Pads	(SAT) Satisfactory	
● 80. Sheaves	(SAT) Satisfactory	
● 81. Boom Hinge Pin	(SAT) Satisfactory	
● 82. Boom Head Section	(SAT) Satisfactory	
● 83. Auxiliary Boom Head	(SAT) Satisfactory	
● 84. Structure	(SAT) Satisfactory	
Jib/Fly Extension		
● 85. Sheaves	(SAT) Satisfactory	
● 86. Structure	(SAT) Satisfactory	
● 87. Locking Device	(SAT) Satisfactory	
● 88. Alignment	(SAT) Satisfactory	
● 89. End Connections and Pins	(SAT) Satisfactory	
Main Drum Wire Rope		
90. Diameter and wear		
Size	Construction	Number of Parts of Line
22mm	RR	2 parts
● 91. Broken Wires	(SAT) None Visible at Time of inspection	
● 92. Rope Kinking, Crushing, Distortion, Birdcaging, Twisting, Ect	(MON) Monitor	P98
■ <i>Mild birdcaging and kink. Monitor for worsening conditions</i>		
● 93. Lubrication	(SAT) Satisfactory	
● 94. End Connectors	(SAT) Satisfactory	
Main Hoist Load Block/Ball & Hook		

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95. Capacity & Weight		
Capacity	Weight	
30 Ton	450 kg	
● 96. Capacity Marking		(SAT) Satisfactory
● 97. Weight Marking		(SAT) Satisfactory
● 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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