



Prepared for:

Sautter Crane Rental

on

6/1/2023

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.



Atlantic Crane Inspection Services
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Inspection
Sautter Crane Rental

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

Completed by: Brian McMahon on 06/01/2023

Location:	USA
Serial #:	074 453
Unit #:	S310

Manufacturer:	Liebherr
Model:	LR 1500
Capacity:	550 Ton
Length:	138' main/157' luff
Type of Crane:	Crawler Lattice (1910.180 & 1926.1400)
Number of Lifting Hoist:	Main
Boom Hoist Setup:	Gantry & Standard Mast
Jib:	Luffing JIb/Super Lift

Priorities Found: ● 120 - Good

Location of Equipment

1. Location of Equipment **Pennington, 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 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

3. Inspection Number **23060101BM**
 4. Inspection Date **06/01/2023**
 ● 5. Inspection Type **(Site) On-Site Inspection**

Hours

6. Hours **2162 Hours** P6

Information & Records

● 7. Documentation of Annual / Comprehensive Inspection	(SAT) Satisfactory
● 8. Monthly Inspection	(SAT) Satisfactory
● 9. Record of Maintenance	(SAT) Satisfactory
● 10. Hand Signal Chart	(SAT) Satisfactory

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● 11. Safety and Warning Labels	(SAT) Satisfactory
● 12. Operator's Manual	(SAT) Satisfactory
Safety Devices / Operational Aids	
● 13. Audible Reverse Signal Alarm	(SAT) Satisfactory
● 14. Boom Angle Indicator	(SAT) Satisfactory
● 15. Drum rotation indicator	(SAT) Satisfactory
● 16. Two-Block System	(SAT) Satisfactory
● 17. Radius Indicator	(SAT) Satisfactory
● 18. Load Moment Indicator	(SAT) Satisfactory
● 19. Crane Level Indicator	(SAT) Satisfactory
● 20. Boom Hoist Limiting Device	(SAT) Satisfactory
● 21. Fire Extinguisher	(SAT) Satisfactory
● 22. Luffing Jib Angle Indicator	(SAT) Satisfactory
Load Chart	
● 23. Load Chart	(SAT) Satisfactory
● 24. Per Configuration	(SAT) Satisfactory
● 25. Durable / Legible/ Secured	(SAT) Satisfactory
Crawler Assembly	
● 26. Car body/ Side frames	(SAT) Satisfactory
● 27. Chain, idlers and Sprocket	(SAT) Satisfactory
● 28. Track Pads, and Pins	(SAT) Satisfactory
● 29. Travel Steering, Brakes, and Locking Devices	(SAT) Satisfactory
Operator's Station	
● 30. Windows/Wipers	(SAT) Satisfactory
● 31. Cab Door Restraint	(SAT) Satisfactory
● 32. Steps / Ladders / Handrails	(SAT) Satisfactory
● 33. Horn	(SAT) Satisfactory
● 34. Anti-Skid Stepping Surfaces	(SAT) Satisfactory
● 35. Mirrors	(SAT) Satisfactory
● 36. Decals	(SAT) Satisfactory
● 37. Electrocution Warning Sign(inside the cab)	(SAT) Satisfactory
● 38. Swing Brake	(SAT) Satisfactory
● 39. Positive Swing lock	(SAT) Satisfactory
● 40. Control Function	(SAT) Satisfactory
● 41. Performance Indicators (Pressure)	(SAT) Satisfactory
● 42. Posted Warnings	(SAT) Satisfactory
● 43. Brake and Clutch	(SAT) Satisfactory
● 44. Boom Hoist Ratchet and Pawl	(SAT) Satisfactory
● 45. Accelerator / Throttle	(SAT) Satisfactory
● 46. Foot Brakes, Latches, and Linkage	(SAT) Satisfactory
● 47. Operator Cutoff (Deadman) Switch	(SAT) Satisfactory
Rotating Upper Structure	
● 48. Engine	(SAT) Satisfactory
● 49. Oil & Fluid Levels	(SAT) Satisfactory
● 50. Turntable / Bearing	(SAT) Satisfactory
● 51. Ring and Pinion Gear	(SAT) Satisfactory
● 52. Hydraulic and Pneumatic Pumps	(SAT) Satisfactory

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● 53. Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory
● 54. Hydraulic Pressure	(SAT) Satisfactory
● 55. Covers and Guards	(SAT) Satisfactory
● 56. Electrical Wiring	(SAT) Satisfactory
● 57. External Lights	(SAT) Satisfactory
● 58. Swing System / Assembly	(SAT) Satisfactory
● 59. Torque Converter	(SAT) Satisfactory
● 60. Slip resistant walking and stepping surfaces	(SAT) Satisfactory
● 61. Steps, Grab rails, and platforms	(SAT) Satisfactory
● 62. Access to Cab and Roof	(SAT) Satisfactory
● 63. Counterweight Mounting	(SAT) Satisfactory
● 64. Counterweight Warnings Signs	(SAT) Satisfactory
● 65. Electrocution Warnings Signs	(SAT) Satisfactory
● 66. Structure	(SAT) Satisfactory
Hoist System	
● 67. Brakes and Clutch System	(SAT) Satisfactory
● 68. Wire Rope Reeving	(SAT) Satisfactory
● 69. Meets 2 rope wrap minimum	(SAT) Satisfactory
● 70. Motor	(SAT) Satisfactory
● 71. Drums/Lagging/Flanges	(SAT) Satisfactory
● 72. Clutch and Brake Pad Condition	(SAT) Satisfactory
● 73. Anchor System	(SAT) Satisfactory
● 74. Drum Spooling	(SAT) Satisfactory
Boom	
● 75. Gantry and Mast	(SAT) Satisfactory
● 76. Boom Stops	(SAT) Satisfactory
● 77. Inner Bail	(SAT) Satisfactory
● 78. Outer Bail and Equalizer	(SAT) Satisfactory
● 79. Boom Section Sequence	(SAT) Satisfactory
● 80. Boom Section Alignment	(SAT) Satisfactory
● 81. Warning Labels and Decals	(SAT) Satisfactory
● 82. Sheaves	(SAT) Satisfactory
● 83. Boom Head Section	(SAT) Satisfactory
● 84. Lattice Members	(SAT) Satisfactory
● 85. Cord Members	(SAT) Satisfactory
● 86. End Connections/Pins	(SAT) Satisfactory
● 87. Boom Foot Pins and Keepers	(SAT) Satisfactory
● 88. Hoist Line Dead End	(SAT) Satisfactory
● 89. Wire Rope Retainers	(SAT) Satisfactory
Luffing Boom Attachment	
● 90. Luffing Jib Section Sequence	(SAT) Satisfactory
● 91. Luffing Jib Tip Section	(SAT) Satisfactory
● 92. Luffing jib Warning Decals	(SAT) Satisfactory
● 93. Luffing Jib Point Sheaves	(SAT) Satisfactory
● 94. Luffing Hoist Line Dead End	(SAT) Satisfactory
● 95. Wire Rope Retainers	(SAT) Satisfactory
● 96. Luffing Jib Foot Keepers and Pins	(SAT) Satisfactory

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● 97. Lattice Members			(SAT) Satisfactory
● 98. Cord Members			(SAT) Satisfactory
● 99. End Connections and Pins			(SAT) Satisfactory
● 100. Luffing Jib Angle Indicator			(SAT) Satisfactory
● 101. Guard Rails			(SAT) Satisfactory
● 102. Luffing Jib Stops			(SAT) Satisfactory
● 103. Walking Surfaces			(SAT) Satisfactory
● 104. Luffing Jib Hoist Reeving			(SAT) Satisfactory
Wire Rope Main Hoist drum			
105. Diameter & Wear			
Size:	Construction	Number of Parts of Line	
28mm	RR RLL	6	
● 106. Rope Damage			(SAT) None Visible at Time of inspection
● 107. Lubrication			(SAT) Satisfactory
● 108. End Connectors			(SAT) Satisfactory
Wire rope Boom Hoist Drum			
109. Diameter & Wear			
Size:	Construction		
25mm	8x RRL		
● 110. Rope Damage			(SAT) None Visible at Time of inspection
● 111. Lubrication			(SAT) Satisfactory
● 112. End Connectors			(SAT) Satisfactory
Luffing Boom Hoist Wire Rope			
113. Diameter & Wear			
Size:	Construction	Number of Parts of Line	
25mm	8x RRL		
● 114. Rope Damage			(SAT) None Visible at Time of inspection
● 115. Lubrication			(SAT) Satisfactory
● 116. End Connectors			(SAT) Satisfactory
Pendants & End connections			
● 117. Pendant Damage.			(SAT) Satisfactory
Main Hoist Load Block/Ball & Hook			
118. Capacity & Weight			P124
Capacity	Weight		
200 Tons	2000 kg/4400 lbs		
■ <i>+(4)x500kg cheek weights</i>			
<i>total block weight: 4000 kg/8800 lbs</i>			
● 119. Capacity Marking			(SAT) Satisfactory
● 120. Weight Marking			(SAT) Satisfactory
● 121. Sheave(s)			(SAT) Satisfactory
● 122. Safety Latch(es)			(SAT) Satisfactory
● 123. 0° Hook Bend or Twist			(SAT) Satisfactory
● 124. 5% Hook Opening or 1/4" Max			(SAT) Satisfactory
● 125. 10% Hook Wear Max			(SAT) Satisfactory

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● 126. Swivel	(SAT) Satisfactory
● 127. Bearing	(SAT) Satisfactory
● 128. Wedge Socket / End Fitting	(SAT) Satisfactory
● 129. Reeving	(SAT) Satisfactory

Verification and Completion

130. Inspector Name and Signature

Brian C McMahon



NCCCO Inspector #R121083227



P6.1



P124.2



P124.3

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