



Inspection
Sautter Crane Rental

FolderID: 12150
FormID: 16775448



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

Completed by: Billy Ciavaglia on 05/11/2023

Location: USA
Serial #: 043562
Unit #: S371

Manufacturer: Liebherr
Model: LTM 1110-5.1
Capacity: 110ton
Length/Lift: 197'
Type of Crane: Truck Crane (1910.180 & 1926.1400)
Number of Hoists: Main & Auxiliary
Boom Configuration: Main Boom with Stowed Jib

Priorities Found: ● 114 - Good

Location of Equipment

1. Location of Equipment **Philadelphia yard**

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 **23051101bc**
4. Inspection Date **05/11/2023**
● 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**
● 10. Equipment Modification(s) or additions **(SAT) Satisfactory**

Safety Devices / Operational Aids

● 11. Audible Reverse Signal Alarm **(SAT) Satisfactory**
● 12. Audible Warning Device **(SAT) Satisfactory**


Atlantic Crane Inspection Services disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Atlantic Crane Inspection Services. Atlantic Crane Inspection Services shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

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

Atlantic Crane Inspection Services disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Atlantic Crane Inspection Services. Atlantic Crane Inspection Services shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

Rotating Upper Structure		
● 56. Engine Performance		(SAT) Satisfactory
● 57. Exhaust System/Guards & Insulators		(SAT) Satisfactory
● 58. Hoses		(SAT) Satisfactory
● 59. Counterweight Frame		(SAT) Satisfactory
● 60. Ring and Pinion Gear		(SAT) Satisfactory
● 61. Hydraulic and Pneumatic Pumps		(SAT) Satisfactory
● 62. Hydraulic Tubes, Fitting, and Hoses		(SAT) Satisfactory
● 63. Hydraulic Pressure		(SAT) Satisfactory
● 64. Electrical Wiring		(SAT) Satisfactory
● 65. Swing System / Assembly		(SAT) Satisfactory
● 66. Counterweight Mounting		(SAT) Satisfactory
● 67. Counterweight Posted Warnings		(SAT) Satisfactory
● 68. Electrocution Posted Warnings		(SAT) Satisfactory
● 69. Structure		(SAT) Satisfactory
Hoist System		
● 70. Brakes and Clutch System		(SAT) Satisfactory
● 71. Wire Rope Reeving		(SAT) Satisfactory
● 72. 2 Rope Wrap Minimum		(SAT) Satisfactory
● 73. Motor		(SAT) Satisfactory
● 74. Drums/Lagging/Flanges		(SAT) Satisfactory
● 75. Anchor System		(SAT) Satisfactory
● 76. Hoist Spooling		(SAT) Satisfactory
Main Boom		
● 77. Lift Cylinder(s)		(SAT) Satisfactory
● 78. Telescoping Boom Cylinder(s)		(SAT) Satisfactory
● 79. Hydraulic Hoses, Tubes, and Fittings		(SAT) Satisfactory
● 80. Holding Device		(SAT) Satisfactory
● 81. Boom Sections Alignment		(SAT) Satisfactory
● 82. Wear Pads		(SAT) Satisfactory
● 83. Sheaves		(SAT) Satisfactory
● 84. Boom Hinge Pin		(SAT) Satisfactory
● 85. Boom Head Section		(SAT) Satisfactory
● 86. Auxiliary Boom Head		(SAT) Satisfactory
● 87. Structure		(SAT) Satisfactory
Jib/Fly Extension		
● 88. Sheaves		(SAT) Satisfactory
● 89. Structure		(SAT) Satisfactory
● 90. Locking Device		(SAT) Satisfactory
● 91. Alignment		(SAT) Satisfactory
● 92. End Connections and Pins		(SAT) Satisfactory
Main Drum Wire Rope		
93. Diameter and wear		
Size	Construction	Number of Parts of Line
21mm	RLL	1
● 94. Rope Damage		(SAT) None Visible at Time of inspection

Atlantic Crane Inspection Services disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Atlantic Crane Inspection Services. Atlantic Crane Inspection Services shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

● 95. Lubrication			(SAT) Satisfactory
● 96. End Connectors			(SAT) Satisfactory
Auxiliary drum wire rope			
97. Diameter and wear			
Size	Construction	Number of Parts of Line	
21mm	RLL	na	
● 98. Rope Damage			(SAT) None Visible at Time of inspection
● 99. Lubrication.			(SAT) Satisfactory
● 100. End Connectors			(SAT) Satisfactory
Main Hoist Load Block/Ball & Hook			
101. Capacity & Weight			
Capacity	Weight		
10ton	250kg		
● 102. Capacity Marking			(SAT) Satisfactory
● 103. Weight Marking			(SAT) Satisfactory
● 104. Sheave(s)			(SAT) Satisfactory
● 105. Safety Latch(es)			(SAT) Satisfactory
● 106. 0° Hook Bend or Twist			(SAT) Satisfactory
● 107. 5% Hook Opening or 1/4" Max			(SAT) Satisfactory
● 108. 10% Hook Wear Max			(SAT) Satisfactory
● 109. Bearing			(SAT) Satisfactory
● 110. Wedge Socket / End Fitting			(SAT) Satisfactory
● 111. Reeving			(SAT) Satisfactory
Auxiliary Hoist Load Block/Ball & Hook			
112. Capacity & Weight			
Capacity	Weight		
● 113. Capacity Marking			(SAT) Satisfactory
● 114. Weight Marking			(SAT) Satisfactory
● 115. Safety Latches			(SAT) Satisfactory
● 116. 0° Hook Bend or Twist			(SAT) Satisfactory
● 117. 5% Hook Opening or 1/4" Max			(SAT) Satisfactory
● 118. 10% Hook Wear Max			(SAT) Satisfactory
● 119. Swivel / Bearing			(SAT) Satisfactory
● 120. Wedge Socket / End Fitting			(SAT) Satisfactory
● 121. Reeving			(SAT) Satisfactory
Verification and Completion			
122. Inspector Name and Signature			Bill Ciavaglia
			
123. Additional Inspection Notes			
● 124. Sticker Given			(Y) Yes, Given on Site

Atlantic Crane Inspection Services disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Atlantic Crane Inspection Services. Atlantic Crane Inspection Services shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.