



Prepared for:

**Sautter Crane Rental**

on

7/11/2023

# 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.



**Inspection**  
**Sautter Crane Rental**

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

**Completed by: Dylan VanHorn on 07/11/2023**

Location:	USA
Serial #:	066 574
Unit #:	S215

Manufacturer:	Liebherr
Model:	LTM 1130-5.1
Capacity:	150 Tons
Length/Lift:	197'
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: ● 2 - Medium ● 101 - Good

**Location of Equipment**

1. Location of Equipment **Lansdale, PA**

**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	<b>23071101DV</b>
4. Inspection Date	<b>07/11/2023</b>
5. Inspection Type	<b>(Ann) Annual</b>

**Hours and Miles**

6. Hours	<b>8367 Hours</b>	P6
7. Miles	<b>54290 Miles</b>	P7
Meters		


**Information & Records**

8. Documentation of Annual / Comprehensive Inspection	<b>(SAT) Satisfactory</b>
9. Monthly Inspection	<b>(SAT) Satisfactory</b>
10. Record of Maintenance	<b>(SAT) Satisfactory</b>
11. Hand Signal Chart	<b>(SAT) Satisfactory</b>


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

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● 54. Horn	(SAT) Satisfactory
● 55. Controls Identified	(SAT) Satisfactory
● 56. Control Functions	(SAT) Satisfactory
● 57. Power Plant Controls	(SAT) Satisfactory
● 58. Operator Cutoff (Deadman) Switch	(SAT) Satisfactory
<b>Rotating Upper Structure</b>	
● 59. Engine Performance	(SAT) Satisfactory
● 60. Exhaust System/Guards & Insulators	(SAT) Satisfactory
● 61. Hoses	(SAT) Satisfactory
● 62. Counterweight Frame	(SAT) Satisfactory
● 63. Ring and Pinion Gear	(SAT) Satisfactory
● 64. Hydraulic and Pneumatic Pumps	(SAT) Satisfactory
● 65. Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory
● 66. Hydraulic Pressure	(SAT) Satisfactory
● 67. Electrical Wiring	(SAT) Satisfactory
● 68. Swing System / Assembly	(SAT) Satisfactory
● 69. Counterweight Mounting	(SAT) Satisfactory
● 70. Counterweight Posted Warnings	(SAT) Satisfactory
● 71. Electrocutation Posted Warnings	(SAT) Satisfactory
● 72. Structure	(SAT) Satisfactory
<b>Hoist System</b>	
● 73. Brakes and Clutch System	(SAT) Satisfactory
● 74. Wire Rope Reeving	(SAT) Satisfactory
● 75. 2 Rope Wrap Minimum	(SAT) Satisfactory
● 76. Motor	(SAT) Satisfactory
● 77. Drums/Lagging/Flanges	(SAT) Satisfactory
● 78. Anchor System	(SAT) Satisfactory
● 79. Hoist Spooling	(SAT) Satisfactory
<b>Main Boom</b>	
● 80. Lift Cylinder(s)	(REC) Recommendation
 <i>Boom lift cylinder seeping. Recommend repairing.</i>	P81
● 81. Telescoping Boom Cylinder(s)	(SAT) Satisfactory
● 82. Hydraulic Hoses, Tubes, and Fittings	(SAT) Satisfactory
● 83. Holding Device	(SAT) Satisfactory
● 84. Boom Sections Alignment	(SAT) Satisfactory
● 85. Wear Pads	(SAT) Satisfactory
● 86. Sheaves	(SAT) Satisfactory
● 87. Boom Hinge Pin	(SAT) Satisfactory
● 88. Boom Head Section	(SAT) Satisfactory
● 89. Auxiliary Boom Head	(SAT) Satisfactory
● 90. Structure	(SAT) Satisfactory
<b>Jib/Fly Extension</b>	
● 91. Sheaves	(SAT) Satisfactory
● 92. Structure	(SAT) Satisfactory
● 93. Locking Device	(SAT) Satisfactory
● 94. Alignment	(SAT) Satisfactory
● 95. End Connections and Pins	(SAT) Satisfactory

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Main Drum Wire Rope		
96. Diameter and wear		
Size	Construction	Number of Parts of Line
<b>21 mm</b>	<b>Rotation Resistant</b>	<b>1 Part</b>
● 97. Rope Damage		<b>(SAT) None Visible at Time of inspection</b>
● 98. Lubrication		<b>(REC) Recommendation</b>
☐ <i>Recommend lubricating wire rope.</i>		
● 99. End Connectors		<b>(SAT) Satisfactory</b>
Auxiliary drum wire rope		
100. Diameter and wear		
Size	Construction	Number of Parts of Line
<b>21 mm</b>	<b>Rotation Resistant</b>	
Main Hoist Load Block/Ball & Hook		
101. Capacity & Weight		
Capacity	Weight	
<b>10 tons</b>	<b>250 kg</b>	
● 102. Capacity Marking		<b>(SAT) Satisfactory</b>
● 103. Weight Marking		<b>(SAT) Satisfactory</b>
● 104. Sheave(s)		<b>(SAT) Satisfactory</b>
● 105. Safety Latch(es)		<b>(SAT) Satisfactory</b>
● 106. 0° Hook Bend or Twist		<b>(SAT) Satisfactory</b>
● 107. 5% Hook Opening or 1/4" Max		<b>(SAT) Satisfactory</b>
● 108. 10% Hook Wear Max		<b>(SAT) Satisfactory</b>
● 109. Bearing		<b>(SAT) Satisfactory</b>
● 110. Wedge Socket / End Fitting		<b>(SAT) Satisfactory</b>
● 111. Reeving		<b>(SAT) Satisfactory</b>
Verification and Completion		
112. Inspector Name and Signature		<b>Dylan VanHorn</b>
		
113. Additional Inspection Notes		
<i>No visible deficiencies found at time of Inspection</i>		
● 114. Sticker Given		<b>(N) No, Will be Mailed</b>

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P6.1



P7.2



P81.3