



Prepared for:

Sautter Crane Rental

,

on

7/12/2024

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
P.O. Box 747
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(215) 639-2579

Inspection Sautter Crane Rental

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

Completed by: Matt Hottenstein on 07/12/2024

Location: USA

Serial #: 089 251

Unit #: S277

Manufacturer:	Liebherr
Model:	LTM 1090-4.2
Capacity:	110 Ton
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: ● 103 - Good

Location of Equipment

1. Location of Equipment **Philadelphia PA 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 **24071203MH**
4. Inspection Date **07/12/2024**
- 5. Inspection Type **(Ann) Annual**

Hours and Miles

6. Hours
7. Miles

Information & Records

- 8. Documentation of Annual / Comprehensive Inspection **(SAT) Satisfactory**
- 9. Monthly Inspection **(SAT) Satisfactory**
- 10. Record of Maintenance **(SAT) Satisfactory**
- 11. Hand Signal Chart **(SAT) Satisfactory**
- 12. Safety and Warning Labels **(SAT) Satisfactory**


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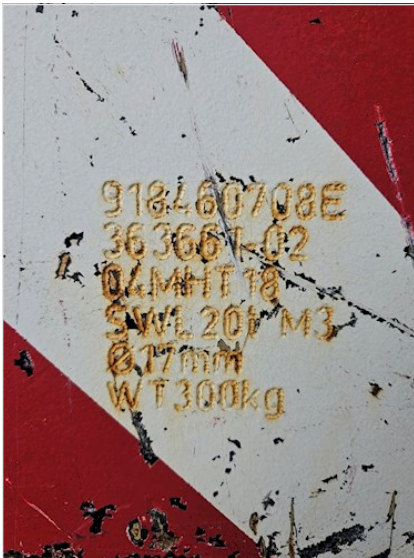
● 13. Operator's Manual	(SAT) Satisfactory
Safety Devices / Operational Aids	
● 14. Audible Reverse Signal Alarm	(SAT) Satisfactory
● 15. Audible Warning Device	(SAT) Satisfactory
● 16. Boom Angle Indicator	(SAT) Satisfactory
● 17. Boom Length Indicator	(SAT) Satisfactory
● 18. Drum Rotation Indicator	(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
Load Chart	
● 24. Load Chart	(SAT) Satisfactory
● 25. Per Configuration	(SAT) Satisfactory
● 26. Visible from Fixed Operator's Station	(SAT) Satisfactory
Carrier	
● 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
Outriggers	
● 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
Operator's Station	
● 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. Electrocutation Warning Sign(s)	(SAT) Satisfactory
● 54. Horn	(SAT) Satisfactory

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● 55. Controls Identified	(SAT) Satisfactory
● 56. Control Functions	(SAT) Satisfactory
● 57. Power Plant Controls	(SAT) Satisfactory
● 58. Operator Cutoff (Deadman) Switch	(SAT) Satisfactory
Rotating Upper Structure	
● 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. Electrocution Posted Warnings	(SAT) Satisfactory
● 72. Structure	(SAT) Satisfactory
Hoist System	
● 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
Main Boom	
● 80. Lift Cylinder(s)	(SAT) Satisfactory
● 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
Jib/Fly Extension	
● 91. Sheaves	(SAT) Satisfactory
● 92. Structure	(SAT) Satisfactory
● 93. Locking Device	(SAT) Satisfactory
● 94. Alignment	(SAT) Satisfactory
● 95. End Connections and Pins	(SAT) Satisfactory
Main Drum Wire Rope	

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96. Diameter and wear			
Size	Construction	Number of Parts of Line	
17mm	RR	2	
97. Rope Damage		(SAT) None Visible at Time of inspection	
98. Lubrication		(SAT) Satisfactory	
99. End Connectors		(SAT) Satisfactory	
Auxiliary drum wire rope			
100. Diameter and wear			
Size	Construction	Number of Parts of Line	
17mm	RR	Not in use	
Main Hoist Load Block/Ball & Hook			
101. Capacity & Weight			P102
Capacity	Weight		
20 m ton	300kg		
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	
Verification and Completion			
112. Inspector Name and Signature			
113. Additional Inspection Notes	<i>No visible deficiencies found at time of inspection</i>		
114. Sticker Given		(Y) Yes, Given on Site	P115



P102.1

ATLANTIC CRANE INSPECTION SERVICES
PO BOX 747, BENSALEM, PA 19020
Office: 215-639-2579 Fax: 215-639-2316

Customer:	Sautter Crane		
Inspection Date:	7/12/24	Unit#	5277
Make:	Liebherr	Model#	TM1690-4.2
SN#	089 257		
Insp.#	24071203MH	Capacity:	110 ton
Inspection Classification:	1910.180+1926.1460		

P115.2