



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

Sautter Yard

on

11/27/2024

Please return the entire report.

Customer Sign Off

-If there are no deficiencies nothing needs to be done

-If there are any (HIGH, RED) deficiencies please follow the instructions below

The deficiencies marked HIGH in RED shall be corrected and this report must be dated, signed and email THIS ENTIRE REPORT to tony.rossi@tandemlift.com or jon.santimaw@tandemlift.com. After the signed document is received, a certification and label will be issued. The 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 performance.

-The undersigned verifies that the deficiencies denoted with (DEF, HIGH, RED) have been corrected.

Signature

Date

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 High  Med  Low Section

Hydraulic Boom Crane Annual Inspection Report (1910.180 & 1926.1400) - <i>Sautter Yard</i>	Telescoping Boom Crane: 045 124 - S246	0	2	2	1.0
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Overview

Breakdown by Form

Form Type	 High	 Med	 Low	# Forms
Hydraulic Boom Crane Annual Inspection Report (1910.180 & 1926.1400)	0	2	2	1
Overall:	0	2	2	1

Breakdown by Location

Location	 High	 Med	 Low	# Forms
Sautter Yard	0	2	2	1
Overall:	0	2	2	1

Breakdown by Asset

Asset Type	 High	 Med	 Low	# Assets
Telescoping Boom Crane	0	2	2	1
Overall:	0	2	2	1

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Hydraulic Boom Crane Annual Inspection Report (1910.180 & 1926.1400)

FolderID: 112724S246
 FormID: 22410352

Sautter Crane rental
 2900 Black Lake Place
 Philadelphia, PA 19154



Telescoping Boom Crane

Location: Sautter Yard
 2900 Black Lake Place
 Philadelphia, PA 19154

Serial Number: 045 124

Unit Number: S246

*Additional Notes: 171 ft boom
 2 parts of line
 Auxiliary drum not out*

Manufacturer: Liebherr

Model: LTM 1100-5.2

Capacity: 120 Tons

Length/Lift: 171'

Type of Crane: All Terrain Crane

Number of Hoists: Main and Auxiliary (Not in Use)

Boom Configuration: Main Boom with Stowed Jib

Load Test: No

Priorities Found: ● 2 - Medium ● 2 - Low ● 104 - Good

General

1. Location of Equipment **Sautter Yard**

2. Customer Sign Off

Please return the entire report.

Customer Sign Off

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Signature

3. Hours & Mileage

Hours	Mileage
6,595	45,978

Inspection Information

4. Inspection Number **112724S246**

5. Inspection Date **11/27/2024**

● 6. Inspection Type **(Ann) Annual**

Information & Records

- 7. Documentation of Annual/Comprehensive Inspection **(SAT) Satisfactory**
- 8. Daily/Monthly Inspection Records **(SAT) Satisfactory**
- 9. Maintenance Records **(SAT) Satisfactory**
- 10. Hand Signal Chart **(SAT) Satisfactory**
- 11. Safety and Warning Decals **(SAT) Satisfactory**
- 12. Operators Manual **(SAT) Satisfactory**

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Safety Devices & Operational Aids		
●	13. Backup Alarm	(SAT) Satisfactory
●	14. Audible Warning Device	(SAT) Satisfactory
●	15. Boom Angle Indicator	(SAT) Satisfactory
●	16. Boom Length Indicator	(SAT) Satisfactory
●	17. Drum Rotation Indicator(s)	(SAT) Satisfactory
●	18. Anti Two-Block Device/System	(SAT) Satisfactory
●	19. Load Moment Indicator (LMI)	(SAT) Satisfactory
●	20. Load Weight Indicator	(SAT) Satisfactory
●	21. Radius Indicator	(SAT) Satisfactory
●	22. Level Indicator(s)	(SAT) Satisfactory
●	23. Fire Extinguisher	(SAT) Satisfactory
Load Chart		
●	24. Visible/Accessible	(SAT) Satisfactory
●	25. Per Configuration	(SAT) Satisfactory
●	26. Durable/Legible/Secured	(SAT) Satisfactory
Carrier 📷		
●	27. Steering	(MON) Monitor P27
🗨	<i>Squeaking sound coming from left 2nd axle steering knuckle king pin</i>	
●	28. Parking Brake	(SAT) Satisfactory
●	29. Exterior Lights (Headlights, Turn Signals, Brake Lights, Reverse Lights)	(SAT) Satisfactory
●	30. Windshield & Wipers	(SAT) Satisfactory
●	31. Windows & Mirrors	(SAT) Satisfactory
●	32. Wheels & Tires	(MON) Monitor P32
🗨	<i>Monitor rust on wheels.</i>	
●	33. Engine	(SAT) Satisfactory
●	34. Exhaust System	(SAT) Satisfactory
●	35. Axle Lockout	(SAT) Satisfactory
●	36. Drive Line	(SAT) Satisfactory
●	37. Main Frame Members	(SAT) Satisfactory
●	38. Hoses/Fittings//Valves	(SAT) Satisfactory
●	39. Hydraulic Tank & Fluid Level	(SAT) Satisfactory
●	40. Slip Resistant Walking Surfaces	(SAT) Satisfactory
●	41. Steps/Ladders/Handrails	(SAT) Satisfactory
Outriggers/Stabilizers		
●	42. Structure & Mounting	(SAT) Satisfactory
●	43. Boxes & Beams	(SAT) Satisfactory
●	44. Cylinders	(SAT) Satisfactory
●	45. Pads/Floats	(SAT) Satisfactory
●	46. Hoses/Fittings/Valves	(SAT) Satisfactory
Operators 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

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● 53. Operator Horn	(SAT) Satisfactory	
● 54. Controls Identified	(SAT) Satisfactory	
● 55. Control Functions	(SAT) Satisfactory	
● 56. Power Plant Controls	(SAT) Satisfactory	
● 57. Operator Cutoff Switch (Deadman)	(SAT) Satisfactory	
● 58. Brake & Clutch	(SAT) Satisfactory	
● 59. Travel Controls	(SAT) Satisfactory	
● 60. Accelerator/Throttle Control	(SAT) Satisfactory	
● 61. Hoses/Fittings/Valves	(SAT) Satisfactory	
● 62. Housekeeping	(SAT) Satisfactory	
Rotating Upper Structure		
● 63. Structure	(SAT) Satisfactory	
● 64. Engine	(SAT) Satisfactory	
● 65. Exhaust System/Guards/Insulators	(SAT) Satisfactory	
● 66. Hoses/Fittings/Valves	(REC) Recommendation	P66
■ <i>Hydraulic leak at control block in left side compartment.</i>		
● 67. Hydraulic & Pneumatic Pumps	(SAT) Satisfactory	
● 68. Hydraulic Pressure	(SAT) Satisfactory	
● 69. Electrical Wiring	(SAT) Satisfactory	
● 70. Ring & Pinion Gear	(REC) Recommendation	P70
■ <i>Ring gear needs lubricant.</i>		
● 71. Swing System/Assembly	(SAT) Satisfactory	
● 72. Counterweight Frame	(SAT) Satisfactory	
● 73. Counterweight Mounting	(SAT) Satisfactory	
Hoist System		
● 74. Brakes & Clutch System	(SAT) Satisfactory	
● 75. Wire Rope Reeving	(SAT) Satisfactory	
● 76. 2 Rope Wrap Minimum	(SAT) Satisfactory	
● 77. Hoist Motor	(SAT) Satisfactory	
● 78. Hoses/Fittings/Valves	(SAT) Satisfactory	
● 79. Drums/Lagging/Flanges	(SAT) Satisfactory	
● 80. Anchor System	(SAT) Satisfactory	
● 81. Hoist Spooling	(SAT) Satisfactory	
Main Boom		
● 82. Lift Cylinder(s)	(SAT) Satisfactory	
● 83. Telescoping Boom Cylinder(s)	(SAT) Satisfactory	
● 84. Hoses/Fittings/Valves	(SAT) Satisfactory	
● 85. Holding Device	(SAT) Satisfactory	
● 86. Boom Sections Alignment	(SAT) Satisfactory	
● 87. Wear Pads	(SAT) Satisfactory	
● 88. Sheaves	(SAT) Satisfactory	
● 89. Wire Rope Retainers	(SAT) Satisfactory	
● 90. Boom Hinge Pin	(SAT) Satisfactory	
● 91. Boom Head Section	(SAT) Satisfactory	
● 92. Auxiliary Boom Head	(SAT) Satisfactory	
● 93. Structure	(SAT) Satisfactory	
Jib/Fly Extension		

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● 94. Structure	(SAT) Satisfactory
● 95. Locking Devices	(SAT) Satisfactory
● 96. Sheaves	(SAT) Satisfactory
● 97. Wire Rope Retainers	(SAT) Satisfactory
● 98. Alignment	(SAT) Satisfactory
● 99. End Connectors & Pins	(SAT) Satisfactory

Main Drum Wire Rope

100. Wire Rope Information

Diameter	Construction/Type	Number of Parts
21.57 mm	Non Rotational	2

● 101. Rope Damage	(SAT) Satisfactory
● 102. Lubrication	(SAT) Satisfactory
● 103. End Connectors	(SAT) Satisfactory

Main Hoist Load Block/Headache Ball/Hook

104. Capacity and Weight

Capacity	Weight
30 tons	450 kg

● 105. Capacity Marking	(SAT) Satisfactory
● 106. Weight Marking	(SAT) Satisfactory
● 107. Sheave(s)	(SAT) Satisfactory
● 108. Safety Latch(es)	(SAT) Satisfactory
● 109. 0° Hook Bend/Twist	(SAT) Satisfactory
● 110. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory
● 111. 10% Hook Wear Max	(SAT) Satisfactory
● 112. Bearing	(SAT) Satisfactory
● 113. Wedge Socket/End Fitting	(SAT) Satisfactory
● 114. Reeving	(SAT) Satisfactory

2 parts of line

Auxiliary Drum Wire Rope

115. Wire Rope Information

Diameter	Construction/Type	Number of Parts
21.63 mm	Non Rotational	N/A

Verification and Completion

116. Inspector Name & Signature

Anthony Capozzi



117. Additional Inspection Notes

● 118. Sticker Given	(Y) Yes, Given on Site
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P27.1



P32.2



P32.3



P66.4



P66.5



P66.6



P70.7