



Prepared for:

## **Sautter Crane rental**

2900 Black Lake Place Philadelphia, PA 19154

Sautter Yard

on

12/2/2023

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](mailto:tony.rossi@tandemlift.com) or [jon.santimaw@tandemlift.com](mailto: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


Inspection - <i>Sautter Yard</i>	Telescoping Boom Crane: 045 125 - S247	0	0	0	<b>1.0</b>
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# Overview




## Breakdown by Form

Form Type	 High	 Med	 Low	# Forms
Inspection	0	0	0	1
<b>Overall:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

## Breakdown by Location

Location	 High	 Med	 Low	# Forms
Sautter Yard	0	0	0	1
<b>Overall:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

## Breakdown by Asset

Asset Type	 High	 Med	 Low	# Assets
Telescoping Boom Crane	0	0	0	1
<b>Overall:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

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Tandem Lift LLC  
 321 Enlow Place  
 Pennsville, NJ 08070  
 833-TANDEM1

## Inspection

**Sautter Crane rental**  
 2900 Black Lake Place  
 Philadelphia, PA 19154

FolderID: 120223S247  
 FormID: 18606467



### Telescoping Boom Crane

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

**Serial #:** 045 125

**TagID:** S247

**Status:** In Service

**Manufacturer:** Liebherr

**Model:** LTM 1100-5.2

**Capacity:** 110 Ton

**Length/Lift:** 171'

**Hook Type:** Load Block & Hook

Priorities Found: ● 116 - Good

### Hours and Miles

1. Hours	<b>5450 Hours</b>
2. Miles	<b>41574 Miles</b>
3. Hours [COPY]	
4. Hours [COPY]	

### General

● 10. External Lights	<b>(SAT) Satisfactory</b>
● 11. Housekeeping	<b>(SAT) Satisfactory</b>
● 12. Safety and Warning Labels	<b>(SAT) Satisfactory</b>
● 13. Hand Signal Chart	<b>(SAT) Satisfactory</b>

### Driver's Cab and Station

● 14. Service Brake	<b>(SAT) Satisfactory</b>
● 15. Emergency Brake	<b>(SAT) Satisfactory</b>
● 16. Parking Brake	<b>(SAT) Satisfactory</b>
● 17. External Lights (Headlights, Taillights, Brake Lights)	<b>(SAT) Satisfactory</b>
● 18. Audible Warning Device	<b>(SAT) Satisfactory</b>
● 19. Audible Reverse Signal Alarm	<b>(SAT) Satisfactory</b>
● 20. Windows / Mirrors	<b>(SAT) Satisfactory</b>
● 21. Windshield Wipers	<b>(SAT) Satisfactory</b>
● 22. Windshield Defroster	<b>(SAT) Satisfactory</b>
● 23. Seatbelts	<b>(SAT) Satisfactory</b>
● 24. Tires	<b>(SAT) Satisfactory</b>
● 25. Seat	<b>(SAT) Satisfactory</b>
● 26. Steering	<b>(SAT) Satisfactory</b>
● 27. Housekeeping	<b>(SAT) Satisfactory</b>
● 28. Fire Extinguisher	<b>(SAT) Satisfactory</b>


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<b>Lower Carrier Power Plant</b>		
●	29. Engine Performance	(SAT) Satisfactory
●	30. Exhaust System	(SAT) Satisfactory
●	31. Belts	(SAT) Satisfactory
●	32. Rotating and Reciprocating Parts	(SAT) Satisfactory
<b>Carrier</b>		
●	33. Transmission	(SAT) Satisfactory
●	34. Drive Line	(SAT) Satisfactory
●	35. Tires	(SAT) Satisfactory
●	36. Tire Air Pressure	(SAT) Satisfactory
●	37. Main Frame Members	(SAT) Satisfactory
●	38. Hydraulic Hoses, Fittings, Tubes	(SAT) Satisfactory
●	39. Hydraulic Fluid Level	(SAT) Satisfactory
●	40. Hoses / Tubing / Fittings .	(SAT) Satisfactory
●	41. Slip Resistant Walking surface	(SAT) Satisfactory
●	42. Axle Lockout	(SAT) Satisfactory
●	43. Audible Reverse Signal Alarm	(SAT) Satisfactory
<b>Outriggers</b>		
●	44. Boxes & Beams	(SAT) Satisfactory
●	45. Hydraulic Cylinders	(SAT) Satisfactory
●	46. Pad / Float	(SAT) Satisfactory
●	47. Hoses / Tubing / Fittings	(SAT) Satisfactory
●	48. Holding Valves	(SAT) Satisfactory
●	49. Caution / Warning Signs	(SAT) Satisfactory
<b>Operator's Station</b>		
●	50. Windows	(SAT) Satisfactory
●	51. Windshield Wipers	(SAT) Satisfactory
●	52. Cab Door Restraint	(SAT) Satisfactory
●	53. Cab Access	(SAT) Satisfactory
●	54. Steps / Ladders / Handrails	(SAT) Satisfactory
●	55. Anti-Skid Stepping Surfaces	(SAT) Satisfactory
●	56. Load Chart	(SAT) Satisfactory
●	57. Fire Extinguisher	(SAT) Satisfactory
●	58. Operator's Manual	(SAT) Satisfactory
●	59. Seat	(SAT) Satisfactory
●	60. Seatbelts	(NA) Not Applicable
●	61. Electrocution Warning Sign(s)	(SAT) Satisfactory
●	62. Level	(SAT) Satisfactory
●	63. Horn	(SAT) Satisfactory
●	64. Load Indicator	(SAT) Satisfactory
●	65. Controls Identified	(SAT) Satisfactory
●	66. Control Mechanisms	(SAT) Satisfactory
●	67. Power Plant Controls	(SAT) Satisfactory
	68. Brake and Clutch	
	69. Travel Brakes	
	70. Travel Controls	
	71. Travel Mechanism	

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72. Travel Locks	
<b>Load Chart</b>	
● 73. Ground Level, Remotely Controlled	(SAT) Satisfactory
● 74. Per Configuration	(SAT) Satisfactory
● 75. Visible from Fixed Operator's Station	(SAT) Satisfactory
● 76. Durable / Legible/ Secured	(SAT) Satisfactory
<b>Safety Devices / Operational Aids</b>	
● 77. Boom Angle Indicator	(SAT) Satisfactory
● 78. Boom Length Indicator	(SAT) Satisfactory
● 79. Main Drum Rotation Indicator	(SAT) Satisfactory
● 80. Auxiliary Drum Rotation Indicator	(NA) Not Applicable
● 81. Load Moment Indicator	(SAT) Satisfactory
● 82. Load Weight Indicator	(SAT) Satisfactory
● 83. Radius Indicator	(SAT) Satisfactory
● 84. Level Indicator	(SAT) Satisfactory
● 85. Two-Block System	(SAT) Satisfactory
● 86. Overload Prevention Device	(SAT) Satisfactory
<b>Upper Power Plant</b>	
● 87. Performance	(SAT) Satisfactory
● 88. Exhaust System/Guards & Insulators	(SAT) Satisfactory
● 89. Hoses	(SAT) Satisfactory
● 90. Reciprocating and rotating parts	(SAT) Satisfactory
<b>Rotating Upper Structure</b>	
● 91. Turntable / Bearing	(SAT) Satisfactory
● 92. Turntable / Rollers	(SAT) Satisfactory
● 93. Counterweight Frame	(SAT) Satisfactory
● 94. Ring and Pinion Gear	(SAT) Satisfactory
● 95. Hydraulic and Pneumatic Pumps	(SAT) Satisfactory
● 96. Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory
● 97. Hydraulic Pressure	(SAT) Satisfactory
● 98. Electrical Wiring	(SAT) Satisfactory
● 99. Main Hoist - Brakes and Clutch System	(SAT) Satisfactory
● 100. Main Hoist - Wire Rope Reeving	(SAT) Satisfactory
● 101. Main Hoist - Meets 2 rope wrap minimum	(SAT) Satisfactory
● 102. Auxiliary Hoist - Brakes and Clutch System	(NA) Not Applicable
● 103. Auxiliary Hoist - Wire Rope Reeving	(NA) Not Applicable
● 104. Auxiliary Hoist - Meets 2 rope wrap minimum	(NA) Not Applicable
● 105. Swing System / Assembly	(SAT) Satisfactory
● 106. Counterweight Mounting	(SAT) Satisfactory
● 107. Counterweight Posted Warnings	(SAT) Satisfactory
● 108. Electrocution Posted Warnings	(SAT) Satisfactory
<b>Main Boom</b>	
● 114. Lift Cylinder(s)	(SAT) Satisfactory
● 115. Telescoping Boom Cylinder(s)	(SAT) Satisfactory
● 116. Hydraulic Hoses, Tubes, and Fittings	(SAT) Satisfactory
● 117. Holding Device	(SAT) Satisfactory
● 118. Boom Sections Alignment	(SAT) Satisfactory

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● 119. Wear Pads	(SAT) Satisfactory
● 120. Sheaves	(SAT) Satisfactory
● 121. Hoist Line Dead End	(SAT) Satisfactory
● 122. Boom Hinge Pin	(SAT) Satisfactory
● 123. Boom Head Section	(SAT) Satisfactory
● 124. Auxiliary Boom Head	(SAT) Satisfactory
● 125. Structure	(SAT) Satisfactory
<b>Main Drum Wire Rope</b>	
● 133. Rope Damage	(SAT) Satisfactory
134. Diameter and wear	
Size	Actual diameter measurement
<b>21mm</b>	<b>.84"</b>
● 135. Lubrication	(SAT) Satisfactory
● 136. End Connectors	(SAT) Satisfactory
<b>Auxiliary drum wire rope</b>	
● 153. Rope Damage	(NA) Not Applicable
154. Diameter and wear	
Size	Actual diameter measurement
<b>0</b>	<b>0</b>
● 155. Broken Wires	(NA) Not Applicable
● 156. Lubrication.	(NA) Not Applicable
● 157. End Connectors	(NA) Not Applicable
<b>Load Block &amp; Hook</b>	
● 158. Capacity Marking	(SAT) Satisfactory
● 159. Weight Marking	(SAT) Satisfactory
● 160. Sheave(s)	(SAT) Satisfactory
● 161. Safety Latch(es)	(SAT) Satisfactory
● 162. 0° Hook Bend or Twist	(SAT) Satisfactory
● 163. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory
● 164. 10% Hook Wear Max	(SAT) Satisfactory
● 165. Bearing	(SAT) Satisfactory
● 166. Wedge Socket / End Fitting	(SAT) Satisfactory
● 167. Reeving	(SAT) Satisfactory
■ 2 parts of line	
<b>No-Load Operational Test</b>	
● 176. No-Load Operational Test	(SAT) Satisfactory
<b>Verification and Completion</b>	
177. Inspector Name and Signature	Chris Volz
	
178. 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.	
179. Date of Inspection	12/02/2023
● 180. Certificate Issued	(Y) Yes

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