



Prepared for:

## **Sautter Crane rental**

2900 Black Lake Place Philadelphia, PA 19154

Rt 42

on

9/22/2023

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 - Rt 42

Telescoping Boom Crane: 047 597 -  
S326

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**1.0**

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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
Rt 42	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: 092223S326  
 FormID: 17950718



### Telescoping Boom Crane

**Location:** Rt 42

**Serial #:** 047 597

**TagID:** S326

**Status:** In Service

**Manufacturer:** Liebherr

**Model:** LTR 1220

**Capacity:** 250 tons

**Length/Lift:** 197'

**Hook Type:** Load Block & Hook

Priorities Found: ● 97 - Good

### Hours and Miles

1. Hours	<b>1832 Hours</b>
2. Miles	
3. Hours [COPY]	
4. Hours [COPY]	

### Historical Records

5. Monthly Inspection
6. Record of Maintenance
7. Documentation of Annual / Comprehensive Inspection
8. Equipment Modification(s) or additions
9. Record of Load Test

### 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
15. Emergency Brake
16. Parking Brake
17. External Lights (Headlights, Taillights, Brake Lights)
18. Audible Warning Device
19. Audible Reverse Signal Alarm
20. Windows / Mirrors
21. Windshield Wipers
22. Windshield Defroster

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23. Seatbelts	
24. Tires	
25. Seat	
26. Steering	
27. Housekeeping	
28. Fire Extinguisher	
<b>Lower Carrier Power Plant</b>	
29. Engine Performance	
30. Exhaust System	
31. Belts	
32. Rotating and Reciprocating Parts	
<b>Carrier</b>	
33. Transmission	
34. Drive Line	
35. Tires	
36. Tire Air Pressure	
37. Main Frame Members	
38. Hydraulic Hoses, Fittings, Tubes	
39. Hydraulic Fluid Level	
40. Hoses / Tubing / Fittings .	
41. Slip Resistant Walking surface	
42. Axle Lockout	
43. Audible Reverse Signal Alarm	
<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	(SAT) Satisfactory
● 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

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● 66. Control Mechanisms	(SAT) Satisfactory
● 67. Power Plant Controls	(SAT) Satisfactory
● 68. Brake and Clutch	(SAT) Satisfactory
● 69. Travel Brakes	(SAT) Satisfactory
● 70. Travel Controls	(SAT) Satisfactory
● 71. Travel Mechanism	(SAT) Satisfactory
● 72. Travel Locks	(SAT) Satisfactory
<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. Electrocutation Posted Warnings	(SAT) Satisfactory

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## Crawler Assembly

● 109. Carbody And sideframes	(SAT) Satisfactory
● 110. Chain and idler sprokets	(SAT) Satisfactory
● 111. Track Pads and pins	(SAT) Satisfactory
● 112. Travel Steering, Brakes, and Locking devices	(SAT) Satisfactory
● 113. Steering Clutches	(SAT) Satisfactory

## Main Boom

● 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
● 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

## Jib

- 126. Sheaves
- 127. Wire Rope Retainers
- 128. End Connections and Pins
- 129. Wire Rope Retainers.

## Manual / Fly Section

- 130. Alignment
- 131. Locking Device
- 132. Structure

## Main Drum Wire Rope

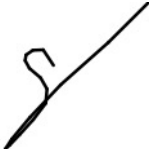
● 133. Rope Damage	(SAT) Satisfactory
134. Diameter and wear	
Size	Actual diameter measurement
<b>24mm</b>	<b>.94"</b>
● 135. Lubrication	(SAT) Satisfactory
● 136. End Connectors	(SAT) Satisfactory

## Luffing Boom Attachment [COPY]

- 137. Luffing Jib Section Identification
- 138. Luffing Jib Section Sequence
- 139. Luffing Jib Tip Section
- 140. Luffing jib Warning Decals
- 141. Luffing Jib Point Sheaves
- 142. Luffing Hoist Line Dead End
- 143. Wire Rope Retainers
- 144. Luffing Jib Foot Keepers and Pins
- 145. Lattice Members
- 146. Cord Members
- 147. End Connections and Pins

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148. Luffing Jib Angle Indicator	
149. Guard Rails	
150. Luffing Jib Stops	
151. Walking Surfaces	
152. Luffing Jib Hoist Reeving	
<b>Auxiliary drum wire rope</b>	
153. Rope Damage	
154. Diameter and wear	
Size	Actual diameter measurement
155. Broken Wires	
156. Lubrication.	
157. End Connectors	
<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>Overhaul Ball &amp; Hook</b>	
168. Capacity Marking	
169. Weight Marking	
170. Safety Latches	
171. 0° Hook Bend or Twist	
172. 5% Hook Opening or 1/4" Max	
173. 10% Hook Wear Max	
174. Swivel / Bearing	
175. Wedge Socket / End Fitting	
<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	09/22/2023
● 180. Certificate Issued	(Y) Yes P180

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**P180.1**

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