



Prepared for:

## **Sautter Crane rental**

2900 Black Lake Place Philadelphia, PA 19154

1501 Moran Road Sterling VA.

on

11/4/2025

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.

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Signature

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Date

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Inspection - 1501 Moran Road Sterling VA.

Lattice Boom Crane: 138512 - S311

 High  Med  Low Section

0 0 0 **1.0**

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# Overview

## Breakdown by Form

Form Type	High	Med	Low	# Forms
Inspection	0	0	0	1
Overall:	0	0	0	1

## Breakdown by Location

Location	High	Med	Low	# Forms
1501 Moran Road Sterling VA.	0	0	0	1
Overall:	0	0	0	1

## Breakdown by Asset

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

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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: 110425S311  
FormID: 26475979



**Lattice Boom Crane**  
Completed by: Steve Edling on 11/04/2025  
Location: 1501 Moran Road Sterling VA.  
Serial #: 138512  
TagID: S311  
Status: In Service

Manufacturer:	Liebherr
Model:	LR1300.1 SX
Capacity:	330 Tons
Length/Lift:	230'
Hook Type:	Load Block & Hook
Hook Type 2:	Load Block & Hook

Priorities Found: ● 144 - Good

### Miles and Hours

1. Miles	0 Miles
2. Hours	4935.32 Hours

### Historical Records

● 3. Monthly Inspection	(SAT) Satisfactory
● 4. Documentation of Annual / Comprehensive Inspection	(SAT) Satisfactory
● 5. Equipment Modification(s) or additions	(SAT) Satisfactory
● 6. Record of Maintenance	(SAT) Satisfactory
● 7. Record of Load Test	(NA) Not Applicable

### General

● 8. Sheet Metal	(SAT) Satisfactory
● 9. Covers and Guards	(SAT) Satisfactory
● 10. External Lights	(NA) Not Applicable
● 11. Housekeeping	(SAT) Satisfactory
● 12. Safety and Warning Labels	(SAT) Satisfactory
● 13. Hand Signal Chart	(SAT) Satisfactory P13

### Crawler Assembly

● 49. Car body/ Side frames	(SAT) Satisfactory P49
● 50. Chain, idlers and Sprocket	(SAT) Satisfactory P50
● 51. Track Pads, and Pins	(SAT) Satisfactory P51
● 52. Travel Steering, Brakes, and Locking Devices	(SAT) Satisfactory
● 53. Steering Clutches	(NA) Not Applicable

### Operator's Station

● 54. Steps / Ladders / Handrails	(SAT) Satisfactory
● 55. Anti-Skid Stepping Surfaces	(SAT) Satisfactory
● 56. Windows	(SAT) Satisfactory

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57. Windshield Wipers	(SAT) Satisfactory
58. Cab Door Restraint	(SAT) Satisfactory
59. Fire Extinguisher	(SAT) Satisfactory
60. Mirrors	(SAT) Satisfactory
61. Seat	(SAT) Satisfactory
62. Seatbelts	(SAT) Satisfactory
63. Operator's Manual	(SAT) Satisfactory
64. Decals	(SAT) Satisfactory
65. Electrocution Warning Sign(inside the cab)	(SAT) Satisfactory
66. Hand Signal Charts	(SAT) Satisfactory
67. Swing Brake	(SAT) Satisfactory
68. Positive Swing lock	(SAT) Satisfactory
69. Control Function	(SAT) Satisfactory
70. Air Pressure	(NA) Not Applicable
71. Performance Indicators (Pressure)	(SAT) Satisfactory
72. Posted Warnings	(SAT) Satisfactory
73. Brake and Clutch	(NA) Not Applicable
74. Accelerator / Throttle	(SAT) Satisfactory
75. Foot Brakes, Latches, and Linkage	(SAT) Satisfactory

#### Load Chart

76. Ground Level, Remotely Controlled	(NA) Not Applicable
77. Per Configuration	(SAT) Satisfactory
78. Visible from Fixed Operator's Station	(SAT) Satisfactory
79. Durable / Legible/ Secured	(SAT) Satisfactory

#### Safety Devices / Operational Aids

80. Horn	(SAT) Satisfactory
81. Boom Angle Indicator	(SAT) Satisfactory
82. Main Drum rotation indicator	(SAT) Satisfactory
83. Auxiliary Drum rotation indicator	(SAT) Satisfactory
84. Radius Indicator	(SAT) Satisfactory
85. Crane Level Indicator	(SAT) Satisfactory
86. Two-Block System	(SAT) Satisfactory
87. Boom Hoist Limiting Device	(SAT) Satisfactory
88. Boom Hoist Ratchet and Pawl	(SAT) Satisfactory
89. Outrigger / Stabilizer Position Sensor	(NA) Not Applicable
90. Luffing Jib Angle Indicator	(SAT) Satisfactory

#### Upper Power Plant

91. Performance	(SAT) Satisfactory
92. Exhaust System/Guards & Insulators	(SAT) Satisfactory
93. Hoses	(SAT) Satisfactory
94. Reciprocating and rotating parts	(SAT) Satisfactory

#### Rotating Upper Structure

95. Turntable / Bearing	(SAT) Satisfactory
96. Turntable / Rollers	(NA) Not Applicable
97. Ring and Pinion Gear	(SAT) Satisfactory
98. Ring and Pinion Gear.	(SAT) Satisfactory
99. Hydraulic and Pneumatic Pumps	(SAT) Satisfactory
100. Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory

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● 101. Hydraulic Pressure	(SAT) Satisfactory
● 102. Electrical Wiring	(SAT) Satisfactory
● 103. Main Hoist - Brakes and Clutch System	(SAT) Satisfactory
● 104. Main Hoist - Wire Rope Reeling	(SAT) Satisfactory
● 105. Main Hoist - Meets 2 rope wrap minimum	(SAT) Satisfactory
● 106. Auxiliary Hoist - Brakes and Clutch System	(SAT) Satisfactory
● 107. Auxiliary Hoist - Wire Rope Reeling	(SAT) Satisfactory
● 108. Auxiliary Hoist - Meets 2 rope wrap minimum	(SAT) Satisfactory
● 109. Boom Hoist - Brakes and Clutch System	(SAT) Satisfactory
● 110. Boom Hoist - Wire Rope Reeling	(SAT) Satisfactory
● 111. Boom Hoist - Meets 2 rope wrap minimum	(SAT) Satisfactory
● 112. Swing System / Assembly	(SAT) Satisfactory
● 113. Hydraulic and Pneumatic Pumps and Motors	(SAT) Satisfactory
● 114. Drums and Flanges	(SAT) Satisfactory
● 115. Clutch and Brake Protection	(NA) Not Applicable
● 116. Torque Converter	(NA) Not Applicable
● 117. Slip resistant walking and stepping surfaces	(SAT) Satisfactory
● 118. Steps, Grab rails, and platforms	(SAT) Satisfactory
● 119. Access to Cab and Roof	(SAT) Satisfactory
● 120. Air System	(NA) Not Applicable
● 121. Counterweight Mounting	(SAT) Satisfactory
● 122. Counterweight Warnings Signs	(SAT) Satisfactory
● 123. Electrocution Warnings Signs	(SAT) Satisfactory

### Boom Support System

● 124. Gantry and Mast	(SAT) Satisfactory
● 125. Boom Stops	(SAT) Satisfactory
● 126. Inner Bail	(SAT) Satisfactory
● 127. Outer Bail and Equalizer	(SAT) Satisfactory
● 128. Sheaves	(SAT) Satisfactory
● 129. Boom Hoist Wire Rope Reeling	(SAT) Satisfactory

### Boom

● 130. Boom Section Identification	(SAT) Satisfactory
● 131. Boom Section Sequence	(SAT) Satisfactory
● 132. Boom Section Alignment	(SAT) Satisfactory
● 133. Warning Labels and Decals	(SAT) Satisfactory
● 134. Spreader Bar	(NA) Not Applicable
● 135. Sheaves	(SAT) Satisfactory
● 136. Boom Head Section	(SAT) Satisfactory
● 137. Auxiliary Boom Head	(NA) Not Applicable
● 138. Lattice Members	(SAT) Satisfactory
● 139. Cord Members	(SAT) Satisfactory
● 140. End Connections/Pins	(SAT) Satisfactory
● 141. Boom Foot Pins and Keepers	(SAT) Satisfactory
● 142. Hoist Line Dead End	(SAT) Satisfactory
● 143. Wire Rope Retainers	(SAT) Satisfactory

### Luffing Boom Attachment

● 150. Luffing Jib Section Identification	(SAT) Satisfactory
● 151. Luffing Jib Section Sequence	(SAT) Satisfactory

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152. Luffing Jib Tip Section	(SAT) Satisfactory
153. Luffing jib Warning Decals	(SAT) Satisfactory
154. Luffing Jib Point Sheaves	(SAT) Satisfactory
155. Luffing Hoist Line Dead End	(SAT) Satisfactory
156. Wire Rope Retainers	(SAT) Satisfactory
157. Luffing Jib Foot Keepers and Pins	(SAT) Satisfactory
158. Lattice Members	(SAT) Satisfactory
159. Cord Members	(SAT) Satisfactory
160. End Connections and Pins	(SAT) Satisfactory
161. Luffing Jib Angle Indicator	(SAT) Satisfactory
162. Guard Rails	(SAT) Satisfactory
163. Luffing Jib Stops	(SAT) Satisfactory
164. Walking Surfaces	(SAT) Satisfactory
165. Luffing Jib Hoist Reeling	(SAT) Satisfactory

#### Wire Rope Main Hoist drum

183. Rope Damage	(SAT) Satisfactory
<span style="color: #ccc;">4 parts</span>	
184. Diameter & Wear	
Size:	Diameter & Wear
<b>28 mm</b>	<b>28.4 mm</b>
185. Broken Wires	(SAT) Satisfactory
186. Lubrication	(SAT) Satisfactory
187. End Connectors	(SAT) Satisfactory
188. End Connectors, Pins, Keepers	(SAT) Satisfactory

#### Wire rope Auxiliary Drum 1

189. Rope Damage	(SAT) Satisfactory
<span style="color: #ccc;">2 parts</span>	
190. Diameter & Wear	
Size	Diameter / wear
<b>28 mm</b>	<b>28.4 mm</b>
191. Broken Wires	(SAT) Satisfactory
192. Lubrication	(SAT) Satisfactory
193. End Connectors	(SAT) Satisfactory

#### Wire rope Auxiliary Drum 2

194. Rope Damage	(NA) Not Applicable
195. Diameter & Wear	
Size	Diameter & Wear
<b>0</b>	<b>0</b>
196. Broken Wires	(NA) Not Applicable
197. Lubrication	(NA) Not Applicable
198. End Connectors	(NA) Not Applicable

#### Wire rope Auxiliary drum 3

199. Rope Damage	(NA) Not Applicable
200. Measured Wear.	(NA) Not Applicable
201. Diameter & Wear	
Size:	Diameter & Wear
<b>0</b>	<b>0</b>
202. Broken Wires	(NA) Not Applicable

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203. Lubrication	(NA) Not Applicable
204. End Connectors	(NA) Not Applicable
<b>Wire rope Boom Hoist Drum</b>	
205. Rope Damage	(SAT) Satisfactory
206. Diameter & Wear	
Size: 24 mm	Diameter & Wear: 24.3 mm
207. Broken Wires	(SAT) Satisfactory
208. Lubrication	(SAT) Satisfactory
209. End Connectors	(SAT) Satisfactory
<b>Pendants &amp; End connections</b>	
210. Rope Damage. <i>Metal bars</i>	(SAT) Satisfactory
211. Diameter & Wear	
Size: 0	Diameter & Wear 0
<b>Load Block &amp; Hook</b>	
212. Capacity Marking <i>4 parts</i>	(SAT) Satisfactory
213. Weight Marking	(SAT) Satisfactory
214. Sheave(s)	(SAT) Satisfactory
215. Safety Latch(es)	(SAT) Satisfactory
216. 0° Hook Bend or Twist	(SAT) Satisfactory
217. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory
218. 10% Hook Wear Max	(SAT) Satisfactory
219. Swivel	(SAT) Satisfactory
220. Bearing	(SAT) Satisfactory
221. Wedge Socket / End Fitting	(SAT) Satisfactory
222. Reeling	(SAT) Satisfactory
<b>Overhaul Ball &amp; Hook</b>	
223. Capacity Marking <i>Block 2 parts</i>	(SAT) Satisfactory
224. Weight Marking	(SAT) Satisfactory
225. Safety Latches	(SAT) Satisfactory
226. 0° Hook Bend or Twist	(SAT) Satisfactory
227. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory
228. 10% Hook Wear Max	(SAT) Satisfactory
229. Swivel / Bearing	(SAT) Satisfactory
230. Wedge Socket / End Fitting	(SAT) Satisfactory
<b>No-Load Operational Test</b>	
231. No-Load Operational Test	(SAT) Satisfactory
<b>Verification and Completion</b>	
232. Inspector Name and Signature	Steven Edling
	
233. Date of Inspection	11/04/2025

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234. Customer Name and Signature

235. Certificate Issued

(Y) Yes P235



P13.1



P49.2



P50.3



P51.4



P95.5



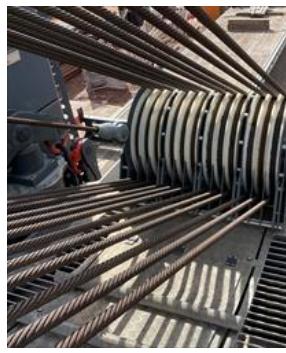
P121.6



P122.7



P123.8



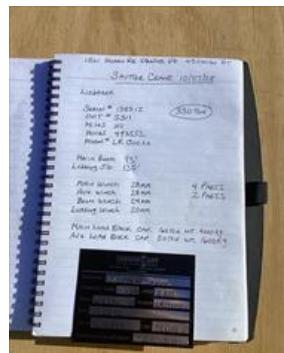
P126.9



P127.10



P130.11



P235.12

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