



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

100 East Market Street

on

12/3/2024

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.

Bill Sautter

12/3/24

Signature

Date

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 High  Med  Low Section

Inspection - *100 East Market Street*

Lattice Boom Crane: *138535 - S351*

3

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Overview




Breakdown by Form

Form Type	 High	 Med	 Low	# Forms
Inspection	3	0	0	1
Overall:	3	0	0	1

Breakdown by Location

Location	 High	 Med	 Low	# Forms
100 East Market Street	3	0	0	1
Overall:	3	0	0	1

Breakdown by Asset

Asset Type	 High	 Med	 Low	# Assets
Lattice Boom Crane	3	0	0	1
Overall:	3	0	0	1

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Inspection

Sautter Crane rental
 2900 Black Lake Place
 Philadelphia, PA 19154

FolderID: 120224S351
 FormID: 22437125



Lattice Boom Crane

Completed by: Steve Edling on 12/02/2024

Location: 100 East Market Street
 Georgetown, DELAWARE
 19947

Serial #: 138535

TagID: S351

Status: In Service

Description: Main Block 3 Sheave With 4 Parts.
 Aux Block Single Sheave With 3 Parts.

Manufacturer: Liebherr

Model: LR 1300.1 SX

Capacity: 330 Tons

Length/Lift: Main 95'. Luffing Jib 125'

Hook Type: Load Block & Hook

Hook Type 2: Load Block & Hook

Priorities Found: ● 3 - High ● 146 - Good

Miles and Hours

1. Miles	none Miles
2. Hours	4735.2 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	(SAT) Satisfactory

General

● 8. Sheet Metal	(SAT) Satisfactory
● 9. Covers and Guards	(SAT) Satisfactory
● 10. External Lights	(SAT) Satisfactory
● 11. Housekeeping	(SAT) Satisfactory
● 12. Safety and Warning Labels	(SAT) Satisfactory
● 13. Hand Signal Chart	(SAT) Satisfactory



Crawler Assembly

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



Operator's Station

● 54. Steps / Ladders / Handrails	(SAT) Satisfactory
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● 55. Anti-Skid Stepping Surfaces	(SAT) Satisfactory
● 56. Windows	(SAT) Satisfactory
● 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. Electrocutation 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	(NA) Not Applicable
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	(DEF) Deficiency
 <i>Unable to check the anti twoblock cutoff due to damaged wire</i>	
● 87. Boom Hoist Limiting Device	(DEF) Deficiency
 <i>Unable to check high angle main boom cutoff or high angle luffing jib cutoff due to damaged wire</i>	
● 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




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● 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	
● 101. Hydraulic Pressure	(SAT) Satisfactory	
● 102. Electrical Wiring	(SAT) Satisfactory	
● 103. Main Hoist - Brakes and Clutch System	(SAT) Satisfactory	
● 104. Main Hoist - Wire Rope Reeving	(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 Reeving	(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 Reeving	(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	(SAT) Satisfactory	
● 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. Electrocutation 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	P128
● 129. Boom Hoist Wire Rope Reeving	(SAT) Satisfactory	P129
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	(SAT) Satisfactory	
● 135. Sheaves	(SAT) Satisfactory	
● 136. Boom Head Section	(SAT) Satisfactory	
● 137. Auxiliary Boom Head	(SAT) Satisfactory	
● 138. Lattice Members	(SAT) Satisfactory	
● 139. Cord Members	(SAT) Satisfactory	
● 140. End Connections/Pins	(SAT) Satisfactory	

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● 141. Boom Foot Pins and Keepers	(SAT) Satisfactory	
● 142. Hoist Line Dead End	(SAT) Satisfactory	P142
● 143. Wire Rope Retainers	(SAT) Satisfactory	
Jib 		
● 144. Sheaves	(SAT) Satisfactory	P144
● 145. Wire Rope Retainers	(SAT) Satisfactory	
● 146. Lattice Members	(SAT) Satisfactory	
● 147. Cord Members	(SAT) Satisfactory	
● 148. End Connections and Pins	(SAT) Satisfactory	
● 149. Jib Stops	(SAT) Satisfactory	
Luffing Boom Attachment 		
● 150. Luffing Jib Section Identification	(SAT) Satisfactory	
● 151. Luffing Jib Section Sequence	(SAT) Satisfactory	
● 152. Luffing Jib Tip Section	(SAT) Satisfactory	P152
● 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 Reeving	(SAT) Satisfactory	
Wire Rope Main Hoist drum		
● 183. Rope Damage	(SAT) Satisfactory	
184. Diameter & Wear		
Size:	Diameter & Wear	
28mm	28.8mm	
 4 Parts of line		
● 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	
190. Diameter & Wear		
Size	Diameter / wear	
28mm	29.2mm	
 3 Parts of line		
● 191. Broken Wires	(SAT) Satisfactory	
● 192. Lubrication	(SAT) Satisfactory	
● 193. End Connectors	(SAT) Satisfactory	
Wire rope Auxiliary Drum 2		

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● 194. Rope Damage		(SAT) Satisfactory
☰ Luffing drum		
195. Diameter & Wear		
Size	Diameter & Wear	
20mm	21.4mm	
☰ Luffing Drum		
● 196. Broken Wires		(SAT) Satisfactory
● 197. Lubrication		(SAT) Satisfactory
● 198. End Connectors		(SAT) Satisfactory
Wire rope Auxiliary drum 3		
● 199. Rope Damage		(NA) Not Applicable
● 200. Measured Wear.		(NA) Not Applicable
201. Diameter & Wear		
Size:	Diameter & Wear	
0	0	
● 202. Broken Wires		(NA) Not Applicable
● 203. Lubrication		(NA) Not Applicable
● 204. End Connectors		(NA) Not Applicable
Wire rope Boom Hoist Drum 		
● 205. Rope Damage		(SAT) Satisfactory
206. Diameter & Wear		P206
Size:	Diameter & Wear:	
24mm	24.3mm	
☰ Cable has over 4700 hours on it. While the cable is wearing normally, it has substantial flattening of the outer strands and should be monitored until it can be replaced.		
● 207. Broken Wires		(SAT) Satisfactory
● 208. Lubrication		(SAT) Satisfactory
● 209. End Connectors		(SAT) Satisfactory
Pendants & End connections		
● 210. Rope Damage.		(NA) Not Applicable
211. Diameter & Wear		
Size:	Diameter & Wear	
0	0	
Load Block & Hook 		
● 212. Capacity Marking		(SAT) Satisfactory P212
● 213. Weight Marking		(SAT) Satisfactory
● 214. Sheave(s)		(SAT) Satisfactory P214
● 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. Reeving		(SAT) Satisfactory
Overhaul Ball & Hook 		
● 223. Capacity Marking		(NA) Not Applicable P223

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Second hoist cable is also a block and hook with 3 parts.

● 224. Weight Marking	(NA) Not Applicable	P224
● 225. Safety Latches	(NA) Not Applicable	
● 226. 0° Hook Bend or Twist	(NA) Not Applicable	
● 227. 5% Hook Opening or 1/4" Max	(NA) Not Applicable	
● 228. 10% Hook Wear Max	(SAT) Satisfactory	
● 229. Swivel / Bearing	(NA) Not Applicable	
● 230. Wedge Socket / End Fitting	(NA) Not Applicable	

No-Load Operational Test

● 231. No-Load Operational Test	(SAT) Satisfactory
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Verification and Completion

232. Inspector Name and Signature Steven Edling



233. Date of Inspection 12/02/2024

234. Customer Name and Signature

● 235. Certificate Issued (N) No

Because of damage to the wire coming from the sensor on the load cell, I could not test the anti two-block, main boom high angle stop, or the luffing jib high angle stop.



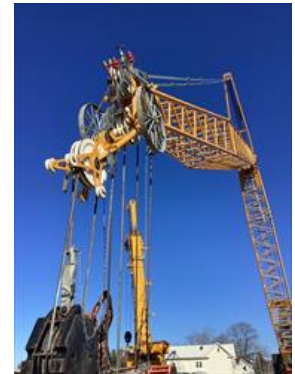
P128.1



P128.2



P129.3



P142.4



P144.5



P152.6



P206.7



P206.8

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P206.9



P212.10



P214.11



P223.12



P224.13