



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

155 King of Prussia Rd.

on

10/16/2023

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 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

Inspection - 155 King of Prussia Rd.	Lattice Boom Crane: 138390 - S259	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
155 King of Prussia Rd.	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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Inspection

Sautter Crane rental
2900 Black Lake Place
Philadelphia, PA 19154

FolderID: 101623S259
FormID: 18164309



Lattice Boom Crane

Completed by: Christopher Volz on 10/16/2023

Location: 155 King of Prussia Rd.
Radnor, PA 19087

Serial #: 138390

TagID: S259

Status: In Service

Manufacturer: Liebherr

Model: LR 1300 SX

Capacity: 330 Tons

Length/Lift: 95' Main 125' Jib

Hook Type: Load Block & Hook

Hook Type 2: Load Block & Hook

Priorities Found: ● **164 - Good**

Miles and Hours

1. Miles	0 Miles
2. Hours	6889 Hours

Historical Records

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

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

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. Housekeeping	
24. Seatbelts	
25. Tires	
26. Operating Controls and Drive Mechanisms	
27. Steering	
28. Seat	
29. Fire Extinguisher	
Lower Carrier Power Plant	
30. Engine Performance	
31. Exhaust System	
32. Belts	
33. Rotating and Reciprocating Parts	
Carrier	
34. Transmission	
35. Drive Line	
36. Tires	
37. Main Frame Members	
38. Hydraulic Hoses, Fittings, Tubes	
39. Hydraulic Fluid level	
40. Slip Resistant Walking surface	
41. Front Bumper Counterweight	
Outriggers	
● 42. Boxes & Beams	(SAT) Satisfactory
● 43. Hydraulic Cylinders	(SAT) Satisfactory
● 44. Pads / Floats	(SAT) Satisfactory
● 45. Hoses / Tubing / Fittings	(SAT) Satisfactory
● 46. Holding Valves	(SAT) Satisfactory
● 47. Caution / Warning Signs	(SAT) Satisfactory
● 48. Pins and Locking devices	(SAT) Satisfactory
Crawler Assembly	
● 49. Car body/ Side frames	(SAT) Satisfactory
● 50. Chain, idlers and Sprocket	(SAT) Satisfactory
● 51. Track Pads, and Pins	(SAT) Satisfactory
● 52. Travel Steering, Brakes, and Locking Devices	(SAT) Satisfactory
● 53. Steering Clutches	(SAT) Satisfactory
Operator's Station	
● 54. Steps / Ladders / Handrails	(SAT) Satisfactory
● 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	(NA) Not Applicable
● 63. Operator's Manual	(SAT) Satisfactory
● 64. Decals	(SAT) Satisfactory

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● 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	(SAT) Satisfactory
● 71. Performance Indicators (Pressure)	(SAT) Satisfactory
● 72. Posted Warnings	(SAT) Satisfactory
● 73. Brake and Clutch	(SAT) Satisfactory
● 74. Accelerator / Throttle	(SAT) Satisfactory
● 75. Foot Brakes, Latches, and Linkage	(SAT) Satisfactory
Load Chart	
● 76. Ground Level, Remotely Controlled	(SAT) Satisfactory
● 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	(SAT) Satisfactory
● 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

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● 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	(SAT) Satisfactory
● 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	(SAT) Satisfactory
● 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
● 129. Boom Hoist Wire Rope Reeving	(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	(SAT) Satisfactory
● 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
Jib	
144. Sheaves	
145. Wire Rope Retainers	
146. Lattice Members	
147. Cord Members	
148. End Connections and Pins	
149. Jib Stops	
Luffing Boom Attachment	
● 150. Luffing Jib Section Identification	(SAT) Satisfactory


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● 151. Luffing Jib Section Sequence	(SAT) Satisfactory
● 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	(NA) Not Applicable
● 163. Luffing Jib Stops	(SAT) Satisfactory
● 164. Walking Surfaces	(SAT) Satisfactory
● 165. Luffing Jib Hoist Reeving	(SAT) Satisfactory
Mast and Maxer / Super lift packages	
● 166. Mast Boom Section Identification	(SAT) Satisfactory
● 167. Mast Boom Section Sequence	(SAT) Satisfactory
● 168. Mast Tip Section	(SAT) Satisfactory
● 169. Mast Warning Decals	(SAT) Satisfactory
● 170. Mast Point Sheaves	(SAT) Satisfactory
● 171. Mast Hoist Line Dead End	(SAT) Satisfactory
● 172. Wire Rope Retainers .	(SAT) Satisfactory
● 173. Mast Foot Keepers and Pins	(SAT) Satisfactory
● 174. Lattice Members.	(SAT) Satisfactory
● 175. Cord Members.	(SAT) Satisfactory
● 176. End Connections and Pins.	(SAT) Satisfactory
● 177. Guard Rails.	(NA) Not Applicable
● 178. Walking Surfaces.	(NA) Not Applicable
● 179. Mast Hoist Reeving.	(SAT) Satisfactory
Maxer/ Ringer / SuperLift Attachments	
● 180. Mast Pendants Connection Components	(SAT) Satisfactory
181. Counterweight Mounting.	
182. Counterweight Warnings Signs.	
Wire Rope Main Hoist drum	
● 183. Rope Damage	(SAT) Satisfactory
184. Diameter & Wear	
Size:	Diameter & Wear
28mm	1.13"
● 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

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190. Diameter & Wear		
Size	Diameter / wear	
28mm	1.13"	
● 191. Broken Wires		(SAT) Satisfactory
● 192. Lubrication		(SAT) Satisfactory
● 193. End Connectors		(SAT) Satisfactory
Wire rope Auxiliary Drum 2		
● 194. Rope Damage		(SAT) Satisfactory
195. Diameter & Wear		
Size	Diameter & Wear	
20mm	.8"	
☐ <i>Luffing Jib Winch</i>		
● 196. Broken Wires		(SAT) Satisfactory
● 197. Lubrication		(SAT) Satisfactory
● 198. End Connectors		(SAT) Satisfactory
Wire rope Auxiliary drum 3		
199. Rope Damage		
200. Measured Wear.		
201. Diameter & Wear		
Size:	Diameter & Wear	
0	0	
202. Broken Wires		
203. Lubrication		
204. End Connectors		
Wire rope Boom Hoist Drum		
● 205. Rope Damage		(SAT) Satisfactory
206. Diameter & Wear		
Size:	Diameter & Wear:	
24mm	.98"	
● 207. Broken Wires		(SAT) Satisfactory
● 208. Lubrication		(SAT) Satisfactory
● 209. End Connectors		(SAT) Satisfactory
Pendants & End connections		
● 210. Rope Damage.		(SAT) Satisfactory
211. Diameter & Wear		
Size:	Diameter & Wear	
0	0	
☐ <i>Pendant Bars used</i>		
Load Block & Hook		
● 212. Capacity Marking		(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

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● 219. Swivel	(SAT) Satisfactory
● 220. Bearing	(SAT) Satisfactory
● 221. Wedge Socket / End Fitting	(SAT) Satisfactory
● 222. Reeving	(SAT) Satisfactory
■ 4 parts of line on main drum ; 2 parts on auxiliary	
Overhaul Ball & Hook	
223. Capacity Marking	
224. Weight Marking	
225. Safety Latches	
226. 0° Hook Bend or Twist	
227. 5% Hook Opening or 1/4" Max	
228. 10% Hook Wear Max	
229. Swivel / Bearing	
230. Wedge Socket / End Fitting	
No-Load Operational Test	
● 231. No-Load Operational Test	(SAT) Satisfactory
Verification and Completion	
232. Inspector Name and Signature	Chris Volz
	
233. Date of Inspection	10/16/2023
234. Customer Name and Signature	
● 235. Certificate Issued	(Y) Yes

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