



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

1080 US202, Branchburg, NJ

on

1/3/2024

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.

Signature

Date

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 High  Med  Low Section

Inspection - 1080 US202, Branchburg, NJ

Lattice Boom Crane: 138307 - S228

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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
1080 US202, Branchburg, NJ	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: 010324S228
 FormID: 18890999



Lattice Boom Crane

Location: 1080 US202, Branchburg, NJ
Serial #: 138307
TagID: S228
Status: In Service

Manufacturer: Liebherr
Model: LR 1300 SX
Capacity: 330 Tons
Length/Lift: 144'
Hook Type: Load Block & Hook
Hook Type 2: Load Block & Hook

Priorities Found: ● 130 - Good

Miles and Hours

- | | |
|----------|------------|
| 1. Miles | |
| 2. Hours | 9881 Hours |

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

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

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●	56. Windows	(SAT) Satisfactory
●	57. Windshield Wipers	(SAT) Satisfactory
●	58. Cab Door Restraint	(SAT) Satisfactory
●	59. Fire Extinguisher	(NA) Not Applicable
●	60. Mirrors	(SAT) Satisfactory
●	61. Seat	(SAT) Satisfactory
●	62. Seatbelts	(NA) Not Applicable
●	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	(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	(NA) Not Applicable
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


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● 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	(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	(NA) Not Applicable
● 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
● 141. Boom Foot Pins and Keepers	(SAT) Satisfactory
● 142. Hoist Line Dead End	(SAT) Satisfactory
● 143. Wire Rope Retainers	(SAT) Satisfactory

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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
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		(NA) Not Applicable
195. Diameter & Wear		
Size	Diameter & Wear	
0	0	
● 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	
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		
Size:	Diameter & Wear:	
24mm	.95"	
● 207. Broken Wires		(SAT) Satisfactory
● 208. Lubrication		(SAT) Satisfactory
● 209. End Connectors		(SAT) Satisfactory
Pendants & End connections		
● 210. Rope Damage.		(SAT) Satisfactory

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211. Diameter & Wear	
Size:	Diameter & Wear
■ <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
● 219. Swivel	(SAT) Satisfactory
● 220. Bearing	(SAT) Satisfactory
● 221. Wedge Socket / End Fitting	(SAT) Satisfactory
● 222. Reeving	(SAT) Satisfactory
■ <i>3 parts on main drum; 2 parts on aux</i>	
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	01/03/2024
234. Customer Name and Signature	
● 235. Certificate Issued	(Y) Yes P235



P235.1