



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

200 Solar Drive

on

9/29/2025

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 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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Lattice Boom Crane: 074453 - S310

 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
200 Solar Drive	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: 092925S310
FormID: 26020703



Lattice Boom Crane	
Location:	200 Solar Drive 220 Solar Drive Fairless Hills, PA 19039
Serial #:	074453
TagID:	S310
Status:	In Service

Manufacturer:	Liebherr
Model:	LR 1500
Capacity:	550 Tons
Length/Lift:	98 Foot Main - 98 Foot Luffing Jib
Hook Type:	Load Block & Hook
Hook Type 2:	None

*Additional Notes: 98 ft. Main Boom
98 ft. Luffing Jib
418,900 lbs. counterweight
121,200 lbs. car body weights*

Priorities Found: ● 152 - Good

Miles and Hours

● 1. Miles	N/A Miles
● 2. Hours	4847 Hours

Historical Records

● 3. Monthly Inspection	(SAT) Satisfactory
● 4. Documentation of Annual / Comprehensive Inspection	(SAT) Satisfactory
● 5. Record of Maintenance	(SAT) Satisfactory

General

● 6. Sheet Metal	(SAT) Satisfactory
● 7. Covers and Guards	(SAT) Satisfactory
● 8. External Lights	(SAT) Satisfactory
● 9. Housekeeping	(SAT) Satisfactory
■ Automatic greaser not working	
● 10. Safety and Warning Labels	(SAT) Satisfactory
● 11. Hand Signal Chart	(SAT) Satisfactory

Crawler Assembly

● 12. Car body/ Side frames	(SAT) Satisfactory
● 13. Chain, idlers and Sprocket	(SAT) Satisfactory
● 14. Track Pads, and Pins	(SAT) Satisfactory
● 15. Travel Steering, Brakes, and Locking Devices	(SAT) Satisfactory
■ 16. Steering Clutches	(NA) Not Applicable

Operator's Station

● 17. Steps / Ladders / Handrails	(SAT) Satisfactory
● 18. Anti-Skid Stepping Surfaces	(SAT) Satisfactory

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● 19. Windows	(SAT) Satisfactory
● 20. Windshield Wipers	(SAT) Satisfactory
● 21. Cab Door Restraint	(SAT) Satisfactory
● 22. Fire Extinguisher	(SAT) Satisfactory
● 23. Mirrors	(NA) Not Applicable
● 24. Seat	(SAT) Satisfactory
● 25. Seatbelts	(NA) Not Applicable
● 26. Operator's Manual	(SAT) Satisfactory
● 27. Decals	(SAT) Satisfactory
● 28. Electrocution Warning Sign(inside the cab)	(SAT) Satisfactory
● 29. Hand Signal Charts	(SAT) Satisfactory
● 30. Swing Brake	(SAT) Satisfactory
● 31. Positive Swing lock	(SAT) Satisfactory
● 32. Control Function	(SAT) Satisfactory
● 33. Air Pressure	(NA) Not Applicable
● 34. Performance Indicators (Pressure)	(SAT) Satisfactory
● 35. Posted Warnings	(SAT) Satisfactory
● 36. Brake and Clutch	(NA) Not Applicable
● 37. Accelerator / Throttle	(SAT) Satisfactory
● 38. Foot Brakes, Latches, and Linkage	(NA) Not Applicable

Load Chart

● 39. Ground Level, Remotely Controlled	(SAT) Satisfactory
● 40. Per Configuration	(SAT) Satisfactory
● 41. Visible from Fixed Operator's Station	(SAT) Satisfactory
● 42. Durable / Legible/ Secured	(SAT) Satisfactory

Safety Devices / Operational Aids

● 43. Horn	(SAT) Satisfactory
<i>Horn not hooked up at time of inspection. Should be hooked up before using crane.</i>	
● 44. Boom Angle Indicator	(SAT) Satisfactory
● 45. Main Drum rotation indicator	(SAT) Satisfactory
● 46. Auxiliary Drum rotation indicator	(SAT) Satisfactory
● 47. Radius Indicator	(SAT) Satisfactory
● 48. Crane Level Indicator	(SAT) Satisfactory
● 49. Two-Block System	(SAT) Satisfactory
● 50. Boom Hoist Limiting Device	(SAT) Satisfactory
● 51. Boom Hoist Ratchet and Pawl	(SAT) Satisfactory
● 52. Outrigger / Stabilizer Position Sensor	(NA) Not Applicable
● 53. Luffing Jib Angle Indicator	(SAT) Satisfactory

Upper Power Plant

● 54. Performance	(SAT) Satisfactory
● 55. Exhaust System/Guards & Insulators	(SAT) Satisfactory
● 56. Hoses	(SAT) Satisfactory
● 57. Reciprocating and rotating parts	(SAT) Satisfactory

Rotating Upper Structure

● 58. Turntable / Bearing	(SAT) Satisfactory
● 59. Turntable / Rollers	(SAT) Satisfactory
● 60. Ring and Pinion Gear	(SAT) Satisfactory

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61. Ring and Pinion Gear.	(SAT) Satisfactory
62. Hydraulic and Pneumatic Pumps	(SAT) Satisfactory
63. Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory
64. Hydraulic Pressure	(SAT) Satisfactory
65. Electrical Wiring	(SAT) Satisfactory
66. Main Hoist - Brakes and Clutch System	(SAT) Satisfactory
67. Main Hoist - Wire Rope Reeling	(SAT) Satisfactory
4 parts of line	
68. Main Hoist - Meets 2 rope wrap minimum	(SAT) Satisfactory
69. Auxiliary Hoist - Brakes and Clutch System	(NA) Not Applicable
70. Auxiliary Hoist - Wire Rope Reeling	(NA) Not Applicable
71. Auxiliary Hoist - Meets 2 rope wrap minimum	(SAT) Satisfactory
72. Boom Hoist - Brakes and Clutch System	(SAT) Satisfactory
73. Boom Hoist - Wire Rope Reeling	(SAT) Satisfactory
74. Boom Hoist - Meets 2 rope wrap minimum	(SAT) Satisfactory
75. Swing System / Assembly	(SAT) Satisfactory
76. Hydraulic and Pneumatic Pumps and Motors	(SAT) Satisfactory
77. Drums and Flanges	(SAT) Satisfactory
78. Clutch and Brake Protection	(NA) Not Applicable
79. Torque Converter	(NA) Not Applicable
80. Slip resistant walking and stepping surfaces	(SAT) Satisfactory
81. Steps, Grab rails, and platforms	(SAT) Satisfactory
82. Access to Cab and Roof	(SAT) Satisfactory
83. Air System	(NA) Not Applicable
84. Counterweight Mounting	(SAT) Satisfactory
85. Counterweight Warnings Signs	(SAT) Satisfactory
86. Electrocution Warnings Signs	(SAT) Satisfactory
Boom Support System	
87. Gantry and Mast	(SAT) Satisfactory
88. Boom Stops	(SAT) Satisfactory
89. Inner Bail	(SAT) Satisfactory
90. Outer Bail and Equalizer	(SAT) Satisfactory
91. Sheaves	(SAT) Satisfactory
92. Boom Hoist Wire Rope Reeling	(SAT) Satisfactory
Boom	
93. Boom Section Identification	(SAT) Satisfactory
94. Boom Section Sequence	(SAT) Satisfactory
95. Boom Section Alignment	(SAT) Satisfactory
96. Warning Labels and Decals	(SAT) Satisfactory
97. Spreader Bar	(NA) Not Applicable
98. Sheaves	(SAT) Satisfactory
99. Boom Head Section	(SAT) Satisfactory
100. Auxiliary Boom Head	(NA) Not Applicable
101. Lattice Members	(SAT) Satisfactory
102. Cord Members	(SAT) Satisfactory
103. End Connections/Pins	(SAT) Satisfactory
Monitor safety pins in heel section.	P103

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● 104. Boom Foot Pins and Keepers	(SAT) Satisfactory
● 105. Hoist Line Dead End	(SAT) Satisfactory
● 106. Wire Rope Retainers	(SAT) Satisfactory
Luffing Boom Attachment	
● 107. Luffing Jib Section Identification	(SAT) Satisfactory
● 108. Luffing Jib Section Sequence	(SAT) Satisfactory
● 109. Luffing Jib Tip Section	(SAT) Satisfactory
● 110. Luffing jib Warning Decals	(SAT) Satisfactory
● 111. Luffing Jib Point Sheaves	(SAT) Satisfactory
● 112. Luffing Hoist Line Dead End	(SAT) Satisfactory
● 113. Wire Rope Retainers	(SAT) Satisfactory
● 114. Luffing Jib Foot Keepers and Pins	(SAT) Satisfactory
● 115. Lattice Members	(SAT) Satisfactory
● 116. Cord Members	(SAT) Satisfactory
● 117. End Connections and Pins	(SAT) Satisfactory
● 118. Luffing Jib Angle Indicator	(SAT) Satisfactory
● 119. Guard Rails	(SAT) Satisfactory
● 120. Luffing Jib Stops	(SAT) Satisfactory
● 121. Walking Surfaces	(SAT) Satisfactory
● 122. Luffing Jib Hoist Reeving	(SAT) Satisfactory
	P122
Mast and Maxer / Super lift packages	
● 123. Mast Boom Section Identification	(SAT) Satisfactory
● 124. Mast Tip Section	(SAT) Satisfactory
● 125. Mast Warning Decals	(SAT) Satisfactory
● 126. Mast Point Sheaves	(SAT) Satisfactory
● 127. Mast Hoist Line Dead End	(SAT) Satisfactory
● 128. Wire Rope Retainers .	(SAT) Satisfactory
● 129. Mast Foot Keepers and Pins	(SAT) Satisfactory
● 130. Lattice Members.	(SAT) Satisfactory
● 131. Cord Members.	(SAT) Satisfactory
● 132. End Connections and Pins.	(SAT) Satisfactory
● 133. Guard Rails.	(SAT) Satisfactory
● 134. Walking Surfaces.	(SAT) Satisfactory
● 135. Mast Hoist Reeving.	(SAT) Satisfactory
Wire Rope Main Hoist drum	
● 139. Rope Damage	(SAT) Satisfactory
● 140. Diameter & Wear	
Size:	Diameter & Wear
28 mm	28.85 mm
● 141. Broken Wires	(SAT) Satisfactory
● 142. Lubrication	(SAT) Satisfactory
● 143. End Connectors	(SAT) Satisfactory
● 144. End Connectors, Pins, Keepers	(SAT) Satisfactory
Wire rope Auxiliary Drum 1	
● 145. Rope Damage	(SAT) Satisfactory
 <i>Luffing jib</i>	

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- 146. Diameter & Wear

Size	Diameter / wear
------	-----------------

26 mm	26.36 mm
-------	----------

- 147. Broken Wires

(SAT) Satisfactory

- 148. Lubrication

(SAT) Satisfactory

- 149. End Connectors

(SAT) Satisfactory

Wire rope Boom Hoist Drum

- 152. Rope Damage

(SAT) Satisfactory

- 153. Diameter & Wear

Size:	Diameter & Wear:
-------	------------------

25 mm	25.57 mm
-------	----------

- 154. Broken Wires

(SAT) Satisfactory

- 155. Lubrication

(SAT) Satisfactory

- 156. End Connectors

(SAT) Satisfactory

Load Block & Hook

- 159. Capacity Marking

(SAT) Satisfactory

- 160. Weight Marking

(SAT) Satisfactory

- 161. Sheave(s)

(SAT) Satisfactory

- 162. Safety Latch(es)

(SAT) Satisfactory

- 163. 0° Hook Bend or Twist

(SAT) Satisfactory

- 164. 5% Hook Opening or 1/4" Max

(SAT) Satisfactory

- 165. 10% Hook Wear Max

(SAT) Satisfactory

- 166. Swivel

(SAT) Satisfactory

- 167. Bearing

(SAT) Satisfactory

- 168. Wedge Socket / End Fitting

(SAT) Satisfactory

- 169. Reeving

(SAT) Satisfactory

 4 parts of line

No-Load Operational Test

- 170. No-Load Operational Test

(SAT) Satisfactory

Verification and Completion

- 171. Inspector Name and Signature

Anthony Capozzi



- 172. Date of Inspection

09/29/2025

173. Customer Name and Signature

- 174. Certificate Issued

(Y) Yes

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P99.1



P103.2



P122.3



P123.4



P124.5

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