



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

NE Ext Mi 40

on

10/6/2023

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 - *NE Ext Mi 40*

Telescoping Boom Crane: 096 654 -
S282

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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
NE Ext Mi 40	0	0	0	1
Overall:	0	0	0	1

Breakdown by Asset

Asset Type	 High	 Med	 Low	# Assets
Telescoping 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: 100623S282
FormID: 18092310



Telescoping Boom Crane

Completed by: Christopher Volz on 10/06/2023

Location: NE Ext Mi 40

Serial #: 096 654

TagID: S282

Status: In Service

Manufacturer: Liebherr

Model: LTR 1220

Capacity: 250 Tons

Length/Lift: 197'

Hook Type: Load Block & Hook

Priorities Found: ● 96 - Good

Hours and Miles

1. Hours	157 Hours
2. Miles	
3. Hours [COPY]	Hours
4. Hours [COPY]	

Historical Records

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

General

● 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. Seatbelts	
24. Tires	
25. Seat	
26. Steering	
27. Housekeeping	
28. Fire Extinguisher	
Lower Carrier Power Plant	
29. Engine Performance	
30. Exhaust System	
31. Belts	
32. Rotating and Reciprocating Parts	
Carrier	
33. Transmission	
34. Drive Line	
35. Tires	
36. Tire Air Pressure	
37. Main Frame Members	
38. Hydraulic Hoses, Fittings, Tubes	
39. Hydraulic Fluid Level	
40. Hoses / Tubing / Fittings .	
41. Slip Resistant Walking surface	
42. Axle Lockout	
43. Audible Reverse Signal Alarm	
Outriggers	
● 44. Boxes & Beams	(SAT) Satisfactory
● 45. Hydraulic Cylinders	(SAT) Satisfactory
● 46. Pad / Float	(SAT) Satisfactory
● 47. Hoses / Tubing / Fittings	(SAT) Satisfactory
● 48. Holding Valves	(SAT) Satisfactory
● 49. Caution / Warning Signs	(SAT) Satisfactory
Operator's Station	
● 50. Windows	(SAT) Satisfactory
● 51. Windshield Wipers	(SAT) Satisfactory
● 52. Cab Door Restraint	(SAT) Satisfactory
● 53. Cab Access	(SAT) Satisfactory
● 54. Steps / Ladders / Handrails	(SAT) Satisfactory
● 55. Anti-Skid Stepping Surfaces	(SAT) Satisfactory
● 56. Load Chart	(SAT) Satisfactory
● 57. Fire Extinguisher	(SAT) Satisfactory
● 58. Operator's Manual	(SAT) Satisfactory
● 59. Seat	(SAT) Satisfactory
● 60. Seatbelts	(NA) Not Applicable
● 61. Electrocution Warning Sign(s)	(SAT) Satisfactory
● 62. Level	(SAT) Satisfactory
● 63. Horn	(SAT) Satisfactory
● 64. Load Indicator	(SAT) Satisfactory
● 65. Controls Identified	(SAT) Satisfactory

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● 66. Control Mechanisms	(SAT) Satisfactory
● 67. Power Plant Controls	(SAT) Satisfactory
● 68. Brake and Clutch	(SAT) Satisfactory
● 69. Travel Brakes	(SAT) Satisfactory
● 70. Travel Controls	(SAT) Satisfactory
● 71. Travel Mechanism	(SAT) Satisfactory
● 72. Travel Locks	(SAT) Satisfactory
Load Chart	
● 73. Ground Level, Remotely Controlled	(SAT) Satisfactory
● 74. Per Configuration	(SAT) Satisfactory
● 75. Visible from Fixed Operator's Station	(SAT) Satisfactory
● 76. Durable / Legible/ Secured	(SAT) Satisfactory
Safety Devices / Operational Aids	
● 77. Boom Angle Indicator	(SAT) Satisfactory
● 78. Boom Length Indicator	(SAT) Satisfactory
● 79. Main Drum Rotation Indicator	(SAT) Satisfactory
● 80. Auxiliary Drum Rotation Indicator	(NA) Not Applicable
● 81. Load Moment Indicator	(SAT) Satisfactory
● 82. Load Weight Indicator	(SAT) Satisfactory
● 83. Radius Indicator	(SAT) Satisfactory
● 84. Level Indicator	(SAT) Satisfactory
● 85. Two-Block System	(SAT) Satisfactory
● 86. Overload Prevention Device	(SAT) Satisfactory
Upper Power Plant	
● 87. Performance	(SAT) Satisfactory
● 88. Exhaust System/Guards & Insulators	(SAT) Satisfactory
● 89. Hoses	(SAT) Satisfactory
● 90. Reciprocating and rotating parts	(SAT) Satisfactory
Rotating Upper Structure	
● 91. Turntable / Bearing	(SAT) Satisfactory
● 92. Turntable / Rollers	(SAT) Satisfactory
● 93. Counterweight Frame	(SAT) Satisfactory
● 94. Ring and Pinion Gear	(SAT) Satisfactory
● 95. Hydraulic and Pneumatic Pumps	(SAT) Satisfactory
● 96. Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory
● 97. Hydraulic Pressure	(SAT) Satisfactory
● 98. Electrical Wiring	(SAT) Satisfactory
● 99. Main Hoist - Brakes and Clutch System	(SAT) Satisfactory
● 100. Main Hoist - Wire Rope Reeving	(SAT) Satisfactory
● 101. Main Hoist - Meets 2 rope wrap minimum	(SAT) Satisfactory
● 102. Auxiliary Hoist - Brakes and Clutch System	(NA) Not Applicable
● 103. Auxiliary Hoist - Wire Rope Reeving	(NA) Not Applicable
● 104. Auxiliary Hoist - Meets 2 rope wrap minimum	(NA) Not Applicable
● 105. Swing System / Assembly	(SAT) Satisfactory
● 106. Counterweight Mounting	(SAT) Satisfactory
● 107. Counterweight Posted Warnings	(SAT) Satisfactory
● 108. Electrocutation Posted Warnings	(SAT) Satisfactory

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Crawler Assembly

● 109. Carbody And sideframes	(SAT) Satisfactory
● 110. Chain and idler sprokets	(SAT) Satisfactory
● 111. Track Pads and pins	(SAT) Satisfactory
● 112. Travel Steering, Brakes, and Locking devices	(SAT) Satisfactory
● 113. Steering Clutches	(SAT) Satisfactory

Main Boom

● 114. Lift Cylinder(s)	(SAT) Satisfactory
● 115. Telescoping Boom Cylinder(s)	(SAT) Satisfactory
● 116. Hydraulic Hoses, Tubes, and Fittings	(SAT) Satisfactory
● 117. Holding Device	(SAT) Satisfactory
● 118. Boom Sections Alignment	(SAT) Satisfactory
● 119. Wear Pads	(SAT) Satisfactory
● 120. Sheaves	(SAT) Satisfactory
● 121. Hoist Line Dead End	(SAT) Satisfactory
● 122. Boom Hinge Pin	(SAT) Satisfactory
● 123. Boom Head Section	(SAT) Satisfactory
● 124. Auxiliary Boom Head	(SAT) Satisfactory
● 125. Structure	(SAT) Satisfactory

Jib

- 126. Sheaves
- 127. Wire Rope Retainers
- 128. End Connections and Pins
- 129. Wire Rope Retainers.

Manual / Fly Section

- 130. Alignment
- 131. Locking Device
- 132. Structure


Main Drum Wire Rope

● 133. Rope Damage	(SAT) Satisfactory
134. Diameter and wear	
Size	Actual diameter measurement
23mm	.93"
● 135. Lubrication	(SAT) Satisfactory
● 136. End Connectors	(SAT) Satisfactory

Luffing Boom Attachment [COPY]

- 137. Luffing Jib Section Identification
- 138. Luffing Jib Section Sequence
- 139. Luffing Jib Tip Section
- 140. Luffing jib Warning Decals
- 141. Luffing Jib Point Sheaves
- 142. Luffing Hoist Line Dead End
- 143. Wire Rope Retainers
- 144. Luffing Jib Foot Keepers and Pins
- 145. Lattice Members
- 146. Cord Members
- 147. End Connections and Pins

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148. Luffing Jib Angle Indicator	
149. Guard Rails	
150. Luffing Jib Stops	
151. Walking Surfaces	
152. Luffing Jib Hoist Reeving	
Auxiliary drum wire rope	
153. Rope Damage	
154. Diameter and wear	
Size	Actual diameter measurement
155. Broken Wires	
156. Lubrication.	
157. End Connectors	
Load Block & Hook	
● 158. Capacity Marking	(SAT) Satisfactory
● 159. Weight Marking	(SAT) Satisfactory
● 160. Sheave(s)	(SAT) Satisfactory
● 161. Safety Latch(es)	(SAT) Satisfactory
● 162. 0° Hook Bend or Twist	(SAT) Satisfactory
● 163. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory
● 164. 10% Hook Wear Max	(SAT) Satisfactory
● 165. Bearing	(SAT) Satisfactory
● 166. Wedge Socket / End Fitting	(SAT) Satisfactory
● 167. Reeving	(SAT) Satisfactory
■ 4 parts of line	
Overhaul Ball & Hook	
168. Capacity Marking	
169. Weight Marking	
170. Safety Latches	
171. 0° Hook Bend or Twist	
172. 5% Hook Opening or 1/4" Max	
173. 10% Hook Wear Max	
174. Swivel / Bearing	
175. Wedge Socket / End Fitting	
No-Load Operational Test	
● 176. No-Load Operational Test	(SAT) Satisfactory
Verification and Completion	
177. Inspector Name and Signature	Chris Volz
	
178. 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.	
179. Date of Inspection	10/06/2023
● 180. Certificate Issued	(Y) Yes P180

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