



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

2583 State Rd

on

12/9/2023

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

Table of Contents

 High  Med  Low Section

Inspection - <i>20th & Arch</i>	Telescoping Boom Crane: <i>072 270 - S217</i>	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
20th & Arch	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: 120923S217
FormID: 18676827



Telescoping Boom Crane

Completed by: Christopher Volz on 12/09/2023

Location: 20th & Arch

Serial #: 072 270

TagID: S217

Status: In Service

Description: 118' Main; 115' Luffing Jib; 220,000 Lbs Counterweights

Manufacturer: Liebherr

Model: LTM1400-7.1

Capacity: 500 Tons

Length/Lift: 197'

Hook Type: Load Block & Hook

Priorities Found: ● 131 - Good

Hours and Miles

1. Hours	6103 Hours
2. Miles	92128 Miles
3. Hours [COPY]	
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	(SAT) Satisfactory
● 15. Emergency Brake	(SAT) Satisfactory
● 16. Parking Brake	(SAT) Satisfactory
● 17. External Lights (Headlights, Taillights, Brake Lights)	(SAT) Satisfactory
● 18. Audible Warning Device	(SAT) Satisfactory
● 19. Audible Reverse Signal Alarm	(SAT) Satisfactory
● 20. Windows / Mirrors	(SAT) Satisfactory
● 21. Windshield Wipers	(SAT) Satisfactory

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● 22. Windshield Defroster	(SAT) Satisfactory
● 23. Seatbelts	(SAT) Satisfactory
● 24. Tires	(SAT) Satisfactory
● 25. Seat	(SAT) Satisfactory
● 26. Steering	(SAT) Satisfactory
● 27. Housekeeping	(SAT) Satisfactory
● 28. Fire Extinguisher	(SAT) Satisfactory
Lower Carrier Power Plant	
● 29. Engine Performance	(SAT) Satisfactory
● 30. Exhaust System	(SAT) Satisfactory
● 31. Belts	(SAT) Satisfactory
● 32. Rotating and Reciprocating Parts	(SAT) Satisfactory
Carrier	
● 33. Transmission	(SAT) Satisfactory
● 34. Drive Line	(SAT) Satisfactory
● 35. Tires	(SAT) Satisfactory
● 36. Tire Air Pressure	(SAT) Satisfactory
● 37. Main Frame Members	(SAT) Satisfactory
● 38. Hydraulic Hoses, Fittings, Tubes	(SAT) Satisfactory
● 39. Hydraulic Fluid Level	(SAT) Satisfactory
● 40. Hoses / Tubing / Fittings .	(SAT) Satisfactory
● 41. Slip Resistant Walking surface	(SAT) Satisfactory
● 42. Axle Lockout	(SAT) Satisfactory
● 43. Audible Reverse Signal Alarm	(SAT) Satisfactory
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. Electrocutation Warning Sign(s)	(SAT) Satisfactory
● 62. Level	(SAT) Satisfactory
● 63. Horn	(SAT) Satisfactory
● 64. Load Indicator	(SAT) Satisfactory


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● 65. Controls Identified	(SAT) Satisfactory
● 66. Control Mechanisms	(SAT) Satisfactory
● 67. Power Plant Controls	(SAT) Satisfactory
● 68. Brake and Clutch	
● 69. Travel Brakes	
● 70. Travel Controls	
● 71. Travel Mechanism	
● 72. Travel Locks	
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

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● 108. Electrocution Posted Warnings	(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	(NA) Not Applicable
● 125. Structure	(SAT) Satisfactory
Main Drum Wire Rope	
● 133. Rope Damage	(SAT) Satisfactory
134. Diameter and wear	
Size	Actual diameter measurement
25mm	1.01"
● 135. Lubrication	(SAT) Satisfactory
● 136. End Connectors	(SAT) Satisfactory
Luffing Boom Attachment [COPY]	
● 137. Luffing Jib Section Identification	(SAT) Satisfactory
● 138. Luffing Jib Section Sequence	(SAT) Satisfactory
● 139. Luffing Jib Tip Section	(SAT) Satisfactory
● 140. Luffing jib Warning Decals	(SAT) Satisfactory
● 141. Luffing Jib Point Sheaves	(SAT) Satisfactory
● 142. Luffing Hoist Line Dead End	(SAT) Satisfactory
● 143. Wire Rope Retainers	(SAT) Satisfactory
● 144. Luffing Jib Foot Keepers and Pins	(SAT) Satisfactory
● 145. Lattice Members	(SAT) Satisfactory
● 146. Cord Members	(SAT) Satisfactory
● 147. End Connections and Pins	(SAT) Satisfactory
● 148. Luffing Jib Angle Indicator	(SAT) Satisfactory
● 149. Guard Rails	(SAT) Satisfactory
● 150. Luffing Jib Stops	(SAT) Satisfactory
● 151. Walking Surfaces	(SAT) Satisfactory
● 152. Luffing Jib Hoist Reeving	(SAT) Satisfactory
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

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● 166. Wedge Socket / End Fitting	(SAT) Satisfactory
● 167. Reeving	(SAT) Satisfactory
■ 2 parts of line	
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	12/09/2023
● 180. Certificate Issued	(Y) Yes

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