



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

31 W. Coulter St

on

11/9/2023

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

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 High  Med  Low Section

Inspection - 31 W. Coulter St

Telescoping Boom Crane: 090 420 -
S268

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
31 W. Coulter St	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: 110923S268
 FormID: 18401114



Telescoping Boom Crane

Location: 31 W. Coulter St
Serial #: 090 420
TagID: S268
Status: In Service

Manufacturer: Liebherr
Model: LTM 1090 4.1
Capacity: 110 Tons
Length/Lift: 164'
Hook Type: Overhaul Ball & Hook

Priorities Found: ● 114 - Good

Hours and Miles

1. Hours	937.2 Hours
2. Miles	25798 Miles
3. Hours [COPY]	
4. Hours [COPY]	

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
● 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


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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. Electrocution Warning Sign(s)	(SAT) Satisfactory
●	62. Level	(SAT) Satisfactory
●	63. Horn	(SAT) Satisfactory
●	64. Load Indicator	(SAT) Satisfactory
●	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	

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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
● 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

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● 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
Main Drum Wire Rope	
● 133. Rope Damage	(SAT) Satisfactory
134. Diameter and wear	
Size	Actual diameter measurement
17mm	.67"
● 135. Lubrication	(SAT) Satisfactory
● 136. End Connectors	(SAT) Satisfactory
Auxiliary drum wire rope	
● 153. Rope Damage	(NA) Not Applicable
154. Diameter and wear	
Size	Actual diameter measurement
0	0
● 155. Broken Wires	(NA) Not Applicable
● 156. Lubrication.	(NA) Not Applicable
● 157. End Connectors	(NA) Not Applicable
Overhaul Ball & Hook	
● 168. Capacity Marking	(SAT) Satisfactory
● 169. Weight Marking	(SAT) Satisfactory
● 170. Safety Latches	(SAT) Satisfactory
● 171. 0° Hook Bend or Twist	(SAT) Satisfactory
● 172. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory
● 173. 10% Hook Wear Max	(SAT) Satisfactory
● 174. Swivel / Bearing	(SAT) Satisfactory
● 175. Wedge Socket / End Fitting	(SAT) Satisfactory
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	11/09/2023
● 180. Certificate Issued	(Y) Yes P180

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P180.1

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