



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

Sautter Yard

on

2/3/2024

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 - <i>Sautter Yard</i>	Telescoping Boom Crane: 060 136 - S174	0	1	3	1.0
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Overview




Breakdown by Form

Form Type	 High	 Med	 Low	# Forms
Inspection	0	1	3	1
Overall:	0	1	3	1

Breakdown by Location

Location	 High	 Med	 Low	# Forms
Sautter Yard	0	1	3	1
Overall:	0	1	3	1

Breakdown by Asset

Asset Type	 High	 Med	 Low	# Assets
Telescoping Boom Crane	0	1	3	1
Overall:	0	1	3	1

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Inspection

Sautter Crane rental
 2900 Black Lake Place
 Philadelphia, PA 19154

FolderID: 020324S174
 FormID: 19234578



Telescoping Boom Crane

Completed by: Christopher Volz on 02/03/2024

Location: Sautter Yard
 2900 Black Lake Place
 Philadelphia, PA 19154

Serial #: 060 136

TagID: S174

Status: In Service

Manufacturer: Liebherr
Model: LTM 1070-4.2
Capacity: 80 Tons
Length/Lift: 164'
Hook Type: Load Block & Hook

Priorities Found: ● 1 - Medium ● 3 - Low ● 117 - Good

Hours and Miles

1. Hours	9124 Hours
2. Miles	62477 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	(MON) Monitor
● 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

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●	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	(MON) Monitor
■	<i>Stickers starting to color fade</i>	
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	(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	(MON) Monitor

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Stickers color faded

108. Electrocution Posted Warnings (SAT) Satisfactory

Crawler Assembly

109. Carbody And sideframes

110. Chain and idler sprokets

111. Track Pads and pins

112. Travel Steering, Brakes, and Locking devices

113. Steering Clutches

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

17mm

.68"

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

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146. Cord Members	
147. End Connections and Pins	
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)	(REC) Recommendation P160
☞ <i>Sheave guard bar bent, rubbing against sheave</i>	
● 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
☞ <i>2 parts of line</i>	
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.	

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179. Date of Inspection	02/03/2024
● 180. Certificate Issued	(Y) Yes



P160.1