

**Inspection**  
**Sautter Crane Rental**

FolderID: TP1676  
FormID: 17142726



**Telescoping Boom Crane**  
**Completed by: Rob Madison on 06/26/2023**

<b>Location:</b>	Allentown PA
<b>Serial #:</b>	067 853
<b>Unit #:</b>	S319
<b>Status:</b>	In Service

<b>Manufacturer:</b>	Liebherr
<b>Model:</b>	LTM 1130 5.1
<b>Capacity:</b>	130 Metric Tons
<b>Year of Manufacture:</b>	2021
<b>Boom Length:</b>	197'
<b>Winch Configuration:</b>	Main & Auxiliary
<b>Carrier Configuration:</b>	Outrigger
<b>Engine Configuration:</b>	Upper & Lower Power Plant
<b>Cab Configuration:</b>	Upper & Lower Cab / Station
<b>Main Hoist Rope Diameter:</b>	21 mm
<b>Main Hoist Rope Type:</b>	Type I Rotation Resistant
<b>Auxiliary Hoist Rope Diameter:</b>	21 mm
<b>Auxiliary Hoist Rope Type:</b>	Type I Rotation Resistant

Priorities Found: ● 144 - Good

<b>Inspection Type</b>		
● 1. What type of inspection is this?	(TP) Third Party Inspection	
<b>Hours and Miles</b>		
7. Hours	2,075	
8. Miles	N/A	
<b>Historical Records</b>		
● 10. Annual Inspection Documentation	(SAT) Satisfactory	
● 11. Maintenance Records	(SAT) Satisfactory	
<b>General</b>		
● 14. Ground Conditions	(SAT) Satisfactory	P12
● 15. External Lights (work, warning, marker)	(SAT) Satisfactory	
● 16. Housekeeping	(SAT) Satisfactory	
● 17. Safety and Warning Labels	(SAT) Satisfactory	
● 18. Hand Signal Chart	(SAT) Satisfactory	P16
● 19. Sheet Metal	(SAT) Satisfactory	
● 20. Paint Condition / Corrosion Control	(SAT) Satisfactory	
<b>Driver's Cab and Station</b>		
● 21. Brakes - Service / Parking / Emergency	(SAT) Satisfactory	
● 22. Accelerator	(SAT) Satisfactory	
● 24. External Lights (Headlights, Taillights, Brake Lights)	(SAT) Satisfactory	
● 26. Audible Reverse Signal Alarm	(SAT) Satisfactory	
● 27. Horn	(SAT) Satisfactory	

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● 28.	Windows / Mirrors	(SAT) Satisfactory
● 29.	Windshield Wipers	(SAT) Satisfactory
● 30.	Windshield Defroster	(SAT) Satisfactory
● 31.	Seatbelts	(SAT) Satisfactory
● 32.	Seat	(SAT) Satisfactory
● 33.	Steering	(SAT) Satisfactory
● 34.	Fire Extinguisher	(SAT) Satisfactory
● 35.	Operator's Manual	(SAT) Satisfactory
● 36.	Gauges / Light Display	(SAT) Satisfactory
● 37.	Access / Grab Rails / Steps	(SAT) Satisfactory
<b>Lower Carrier Power Plant</b>		
● 38.	Engine Performance	(SAT) Satisfactory
● 41.	Exhaust System (Guards and Insulators)	(SAT) Satisfactory
● 42.	Belts / Pulleys	(SAT) Satisfactory
● 43.	Guards for Rotating and Reciprocating Parts	(SAT) Satisfactory
● 44.	Fluid Levels (Engine/Transmission Oil, Coolant)	(SAT) Satisfactory
● 45.	Leaks	(SAT) Satisfactory
<b>Carrier</b>		
● 46.	Transmission	(SAT) Satisfactory
● 47.	Drive Line	(SAT) Satisfactory
● 48.	Tires	(SAT) Satisfactory
● 49.	Tire Air Pressure	(SAT) Satisfactory
● 50.	Main Frame Members	(SAT) Satisfactory
● 51.	Hydraulic Hoses, Fittings, Tubes	(SAT) Satisfactory
● 52.	Hydraulic Fluid Level	(SAT) Satisfactory
● 53.	Slip Resistant Walking surface	(SAT) Satisfactory
● 54.	Axle Lockout	(SAT) Satisfactory
<b>Outriggers</b>		
● 55.	Boxes & Beams	(SAT) Satisfactory
● 56.	Hydraulic Cylinders	(SAT) Satisfactory
● 57.	Pad / Float	(SAT) Satisfactory
● 58.	Hoses / Tubing / Fittings	(SAT) Satisfactory
● 59.	Holding Valves	(SAT) Satisfactory
● 61.	Beam Marking	(SAT) Satisfactory
● 63.	Caution / Warning Signs (Crush/Pinch Warning)	(SAT) Satisfactory
<b>Operator's Station</b>		
● 64.	Windows	(SAT) Satisfactory
● 65.	Windshield Wipers	(SAT) Satisfactory
● 66.	Windshield Defroster	(SAT) Satisfactory
● 67.	Cab Door Restraint	(SAT) Satisfactory
● 68.	Cab Access	(SAT) Satisfactory
● 69.	Steps / Ladders / Handrails	(SAT) Satisfactory
● 70.	Anti-Skid Stepping Surfaces	(SAT) Satisfactory
● 71.	Fire Extinguisher	(SAT) Satisfactory
● 72.	Operator's Manual	(SAT) Satisfactory
● 73.	Seat	(SAT) Satisfactory
● 74.	Seatbelts	(SAT) Satisfactory
● 75.	Electrocution Warning Sign(s)	(SAT) Satisfactory

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76. Horn	(SAT) Satisfactory
77. Controls Identified	(SAT) Satisfactory
78. Control Mechanisms	(SAT) Satisfactory
79. Swing Brake / Lock	(SAT) Satisfactory
80. Power Plant Controls	(SAT) Satisfactory
81. Travel Brakes	(SAT) Satisfactory
82. Travel Controls	(SAT) Satisfactory
83. Travel Locks	(SAT) Satisfactory
85. Gauges / Light Display	(SAT) Satisfactory
86. Safety / Warning Decals	(SAT) Satisfactory

### Rated Capacity Chart

87. Load Chart (Correct for Machine)	(SAT) Satisfactory
89. Per Configuration	(SAT) Satisfactory
90. Visible from Fixed Operator's Station	(SAT) Satisfactory
91. Durable / Legible/ Secured	(SAT) Satisfactory

### Safety Devices / Operational Aids

92. Boom Angle Indicator	(SAT) Satisfactory
93. Boom Length Indicator	(SAT) Satisfactory
94. Main Drum Rotation Indicator	(SAT) Satisfactory
96. LMI Make & Model	Liebherr
97. Load Moment Indicator	(SAT) Satisfactory
98. Load Weight Indicator	(SAT) Satisfactory
99. Load Radius Indicator	(SAT) Satisfactory
100. Level Indicator	(SAT) Satisfactory
101. Anti Two-Block System	(SAT) Satisfactory

### Upper Power Plant

102. Engine Performance	(SAT) Satisfactory
104. Exhaust System (Guards and Insulators)	(SAT) Satisfactory
105. Belts / Pulleys	(SAT) Satisfactory
106. Guards for Rotating and Reciprocating Parts	(SAT) Satisfactory
107. Fluid Levels (Engine Oil, Coolant)	(SAT) Satisfactory
108. Leaks	(SAT) Satisfactory

### Rotating Upper Structure


109. Turntable / Bearing	(SAT) Satisfactory
111. Turntable Bolts / Structural Welds	(SAT) Satisfactory
112. Ring and Pinion Gear	(SAT) Satisfactory
113. Hydraulic and Pneumatic Pumps	(SAT) Satisfactory
114. Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory
115. Hydraulic Pressure	(SAT) Satisfactory
116. Hydraulic Swivel	(SAT) Satisfactory
117. Electrical Wiring	(SAT) Satisfactory
118. Electric Swivel / Collector Ring	(SAT) Satisfactory
119. Swing System / Assembly	(SAT) Satisfactory
120. Counterweight Frame	(SAT) Satisfactory
121. Counterweight Mounting	(SAT) Satisfactory
122. Counterweight Posted Warnings	(SAT) Satisfactory
123. Electrocution Posted Warnings	(SAT) Satisfactory

### Main Boom

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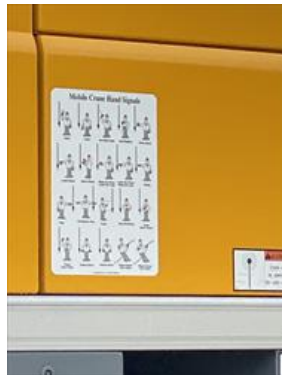
124. Main Boom Length	197'
● 125. Lift Cylinder(s)	(SAT) Satisfactory
● 126. Telescoping Boom Cylinder(s)	(SAT) Satisfactory
● 127. Hydraulic Hoses, Tubes, and Fittings	(SAT) Satisfactory
● 128. Holding Device / Holding Valves	(SAT) Satisfactory
● 129. Equal Extension / Boom Sequence	(SAT) Satisfactory
● 131. Boom Section Alignment	(SAT) Satisfactory
● 132. Wear Pads	(SAT) Satisfactory
● 133. Hoist Line Retainers / Supports / Pins	(SAT) Satisfactory
● 134. Sheaves	(SAT) Satisfactory
● 135. Hoist Line Dead End	(SAT) Satisfactory
● 136. Boom Hinge Pin	(SAT) Satisfactory
● 137. Boom Head Section	(SAT) Satisfactory
● 138. Auxiliary Boom Head	(SAT) Satisfactory
● 139. Boom Structure	(SAT) Satisfactory
<b>Main Hoist &amp; Wire Rope</b>	
● 140. Main Hoist - Brakes and Clutch System	(SAT) Satisfactory
● 141. Main Hoist - Mounting Bolts	(SAT) Satisfactory
● 142. Main Hoist - Wire Rope Reeving	(SAT) Satisfactory
● 143. Main Hoist - Wire Rope Lay on Drum	(SAT) Satisfactory
● 144. Main Hoist - Meets 2 rope wrap minimum	(SAT) Satisfactory
● 145. Main Hoist - Wire Rope Damage	(SAT) Satisfactory
● 146. Main Hoist - Wire Rope Wear	(SAT) Satisfactory
● 147. Main Hoist - Wire Rope Broken Wires	(SAT) Satisfactory
● 148. Main Hoist - Wire Rope Lubrication	(SAT) Satisfactory
<b>Auxiliary Hoist &amp; Wire Rope</b>	
● 150. Auxiliary Hoist - Mounting Bolts	(SAT) Satisfactory
● 152. Auxiliary Hoist - Wire Rope Lay on Drum	(SAT) Satisfactory
<b>Solid Design Boom Extension</b>	
158. Solid Design Boom Extension Length	35'x62'
● 159. Condition of Boom Extension Structure (Including Welds)	(SAT) Satisfactory
● 160. Stowage Brackets (Front & Rear)	(SAT) Satisfactory
● 161. Sheaves	(SAT) Satisfactory
● 162. Wire Rope Retainers	(SAT) Satisfactory
● 163. End Connections and Pins	(SAT) Satisfactory
<b>Main Load Block &amp; Hook</b>	
165. Block Manufacturer	Liebherr
166. Serial Number	916125008E
167. Rated Capacity	30 Tons
168. Block Weight	990 lbs.
169. Hook Throat Opening Measurement	5.80" mark to mark
● 170. Capacity Marking	(SAT) Satisfactory
● 171. Weight Marking	(SAT) Satisfactory
● 172. Sheave(s)	(SAT) Satisfactory
● 173. Safety Latch	(SAT) Satisfactory
● 174. 0° Hook Bend or Twist	(SAT) Satisfactory
● 175. 5% Throat Opening (1/4" Max)	(SAT) Satisfactory
● 176. 10% Hook Wear Max	(SAT) Satisfactory

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● 177. Bearing	(SAT) Satisfactory
● 178. Pins and Retainers	(SAT) Satisfactory
● 179. Wedge Socket / End Fitting	(SAT) Satisfactory
● 180. Reeving	(SAT) Satisfactory
<b>No-Load Operational Test</b>	
● 181. No-Load Operational Test	(SAT) Satisfactory
<b>Verification and Completion</b>	
182. Inspector Name & Signature	Robert Madison
	
183. Date of Inspection	06/26/2023
● 184. Certification Issued?	(Y) Yes
<b>Customer Representative</b>	
185. Customer Representative Name & Signature	



P12.1



P16.2



P61.3