Prepared for:

# Sautter Crane Rental

2900 Black Lake Place Philadelphia, PA  19154

1000 East Mountain Road Wilkes-Barre PA.

on

11/11/2026

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 - *1000 East Mountain Road Wilkes-Barre PA.* Lattice Boom Crane*: 134362 - S433* | 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 |
|---|---|---|---|---|
| 1000 East Mountain Road Wilkes-Barre PA. | 0 | 0 | 0 | 1 |
| **Overall:** | **0** | **0** | **0** | **1** |

## Breakdown by Asset

| Asset Type | High | Med | Low | # Assets |
|---|---|---|---|---|
| Lattice Boom Crane | 0 | 0 | 0 | 1 |
| **Overall:** | **0** | **0** | **0** | **1** |

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Tandem Lift LLC
321 Enlow Place
Pennsville, NJ 08070
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# Inspection

**Sautter Crane Rental**
**2900 Black Lake Place**
**Philadelphia, PA 19154**

FolderID: 111126S433
FormID: 31623118



## Lattice Boom Crane

**Completed by: Steve Edling on 11/11/2026**

| | |
|---|---|
| **Location:** | 1000 East Mountain Road Wilkes-Barre PA. |
| **Serial #:** | 134362 |
| **TagID:** | S433 |
| **Status:** | In Service |

| | |
|---|---|
| **Manufacturer:** | Liebherr |
| **Model:** | LR 1160.1 |
| **Capacity:** | 200 Tons |
| **Length/Lift:** | 152' Main 171' Luffing Jib |
| **Hook Type:** | Overhaul Ball & Hook |
| **Hook Type 2:** | None |

Priorities Found: **123 - Good**

| | | | |
|---|---|---|---|
| **Miles and Hours** | | | |
| | 1. | Miles | **0 Miles** |
| | 2. | Hours | **1797.76 Hours** P2 |
| **Historical Records** | | | |
| ● | 3. | Monthly Inspection | **(SAT) Satisfactory** |
| ● | 4. | Documentation of Annual / Comprehensive Inspection | **(SAT) Satisfactory** |
| ● | 5. | Equipment Modification(s) or additions | **(SAT) Satisfactory** |
| ● | 6. | Record of Maintenance | **(SAT) Satisfactory** |
| ○ | 7. | Record of Load Test | **(NA) Not Applicable** |
| **General** | | | |
| ● | 8. | Sheet Metal | **(SAT) Satisfactory** |
| ● | 9. | Covers and Guards | **(SAT) Satisfactory** |
| ● | 10. | External Lights | **(SAT) Satisfactory** |
| ● | 11. | Housekeeping | **(SAT) Satisfactory** |
| ● | 12. | Safety and Warning Labels | **(SAT) Satisfactory** P12 |
| ● | 13. | Hand Signal Chart | **(SAT) Satisfactory** P13 |
| **Crawler Assembly** | | | |
| ● | 49. | Car body/ Side frames | **(SAT) Satisfactory** P49 |
| ○ | 50. | Chain, idlers and Sprocket | **(NA) Not Applicable** |
| ● | 51. | Track Pads, and Pins | **(SAT) Satisfactory** |
| ○ | 52. | Travel Steering, Brakes, and Locking Devices | **(NA) Not Applicable** |
| ○ | 53. | Steering Clutches | **(NA) Not Applicable** |
| **Operator's Station** | | | |
| ● | 54. | Steps / Ladders / Handrails | **(SAT) Satisfactory** |
| ● | 55. | Anti-Skid Stepping Surfaces | **(SAT) Satisfactory** |
| ● | 56. | Windows | **(SAT) Satisfactory** |

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| | | | |
|---|---|---|---|
| 57. | Windshield Wipers | **(SAT) Satisfactory** | |
| 58. | Cab Door Restraint | **(SAT) Satisfactory** | |
| 59. | Fire Extinguisher | **(SAT) Satisfactory** | |
| 60. | Mirrors | **(SAT) Satisfactory** | |
| 61. | Seat | **(SAT) Satisfactory** | |
| 62. | Seatbelts | **(SAT) Satisfactory** | |
| 63. | Operator's Manual | **(SAT) Satisfactory** | |
| 64. | Decals | **(SAT) Satisfactory** | |
| 65. | Electrocution Warning Sign(inside the cab) | **(SAT) Satisfactory** | |
| 66. | Hand Signal Charts | **(SAT) Satisfactory** | P66 |
| 67. | Swing Brake | **(SAT) Satisfactory** | |
| 68. | Positive Swing lock | **(NA) Not Applicable** | |
| 69. | Control Function | **(SAT) Satisfactory** | |
| 70. | Air Pressure | **(NA) Not Applicable** | |
| 71. | Performance Indicators (Pressure) | **(SAT) Satisfactory** | |
| 72. | Posted Warnings | **(SAT) Satisfactory** | P72 |
| 73. | Brake and Clutch | **(NA) Not Applicable** | |
| 74. | Accelerator / Throttle | **(SAT) Satisfactory** | |
| 75. | Foot Brakes, Latches, and Linkage | **(NA) Not Applicable** | |
| **Load Chart** | | | |
| 76. | Ground Level, Remotely Controlled | **(NA) Not Applicable** | |
| 77. | Per Configuration | **(SAT) Satisfactory** | |
| 78. | Visible from Fixed Operator's Station | **(SAT) Satisfactory** | |
| 79. | Durable / Legible/ Secured | **(SAT) Satisfactory** | |
| **Safety Devices / Operational Aids** | | | |
| 80. | Horn | **(SAT) Satisfactory** | |
| 81. | Boom Angle Indicator | **(SAT) Satisfactory** | P81 |
| 82. | Main Drum rotation indicator | **(SAT) Satisfactory** | |
| 83. | Auxiliary Drum rotation indicator | **(NA) Not Applicable** | |
| 84. | Radius Indicator | **(SAT) Satisfactory** | |
| 85. | Crane Level Indicator | **(SAT) Satisfactory** | |
| 86. | Two-Block System | **(SAT) Satisfactory** | |
| 87. | Boom Hoist Limiting Device | **(SAT) Satisfactory** | |
| 88. | Boom Hoist Ratchet and Pawl | **(NA) Not Applicable** | |
| 89. | Outrigger / Stabilizer Position Sensor | **(NA) Not Applicable** | |
| 90. | Luffing Jib Angle Indicator | **(SAT) Satisfactory** | P90 |
| **Upper Power Plant** | | | |
| 91. | Performance | **(SAT) Satisfactory** | |
| 92. | Exhaust System/Guards & Insulators | **(SAT) Satisfactory** | P92 |
| 93. | Hoses | **(SAT) Satisfactory** | |
| 94. | Reciprocating and rotating parts | **(SAT) Satisfactory** | |
| **Rotating Upper Structure** | | | |
| 95. | Turntable / Bearing | **(SAT) Satisfactory** | |
| 96. | Turntable / Rollers | **(NA) Not Applicable** | |
| 97. | Ring and Pinion Gear | **(SAT) Satisfactory** | |
| 98. | Ring and Pinion Gear. | **(SAT) Satisfactory** | |
| 99. | Hydraulic and Pneumatic Pumps | **(SAT) Satisfactory** | |
| 100. | Hydraulic Tubes, Fitting, and Hoses | **(SAT) Satisfactory** | |

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| | | | |
|---|---|---|---|
| 101. | Hydraulic Pressure | **(SAT) Satisfactory** | |
| 102. | Electrical Wiring | **(SAT) Satisfactory** | |
| 103. | Main Hoist - Brakes and Clutch System | **(NA) Not Applicable** | |
| 104. | Main Hoist - Wire Rope Reeving | **(SAT) Satisfactory** | |
| 105. | Main Hoist - Meets 2 rope wrap minimum | **(SAT) Satisfactory** | P105 |
| 106. | Auxiliary Hoist - Brakes and Clutch System | **(NA) Not Applicable** | |
| 107. | Auxiliary Hoist - Wire Rope Reeving | **(NA) Not Applicable** | |
| 108. | Auxiliary Hoist - Meets 2 rope wrap minimum | **(NA) Not Applicable** | |
| 109. | Boom Hoist - Brakes and Clutch System | **(NA) Not Applicable** | |
| 110. | Boom Hoist - Wire Rope Reeving | **(SAT) Satisfactory** | |
| 111. | Boom Hoist - Meets 2 rope wrap minimum | **(SAT) Satisfactory** | P111 |
| 112. | Swing System / Assembly | **(SAT) Satisfactory** | |
| 113. | Hydraulic and Pneumatic Pumps and Motors | **(SAT) Satisfactory** | |
| 114. | Drums and Flanges | **(SAT) Satisfactory** | |
| 115. | Clutch and Brake Protection | **(NA) Not Applicable** | |
| 116. | Torque Converter | **(NA) Not Applicable** | |
| 117. | Slip resistant walking and stepping surfaces | **(SAT) Satisfactory** | |
| 118. | Steps, Grab rails, and platforms | **(SAT) Satisfactory** | |
| 119. | Access to Cab and Roof | **(SAT) Satisfactory** | |
| 120. | Air System | **(NA) Not Applicable** | |
| 121. | Counterweight Mounting | **(SAT) Satisfactory** | P121 |
| 122. | Counterweight Warnings SIgns | **(SAT) Satisfactory** | P122 |
| 123. | Electrocution Warnings Signs | **(SAT) Satisfactory** | |
| **Boom Support System** | | | |
| 124. | Gantry and Mast | **(SAT) Satisfactory** | P124 |
| 125. | Boom Stops | **(SAT) Satisfactory** | |
| 126. | Inner Bail | **(SAT) Satisfactory** | P126 |
| 127. | Outer Bail and Equalizer | **(SAT) Satisfactory** | P127 |
| 128. | Sheaves | **(SAT) Satisfactory** | |
| 129. | Boom Hoist Wire Rope Reeving | **(SAT) Satisfactory** | |
| **Boom** | | | |
| 130. | Boom Section Indentification | **(SAT) Satisfactory** | P130 |
| 131. | Boom Section Sequence | **(SAT) Satisfactory** | |
| 132. | Boom Section Alignment | **(SAT) Satisfactory** | P132 |
| 133. | Warning Labels and Decals | **(SAT) Satisfactory** | |
| 134. | Spreader Bar | **(NA) Not Applicable** | |
| 135. | Sheaves | **(SAT) Satisfactory** | |
| 136. | Boom Head Section | **(SAT) Satisfactory** | P136 |
| 137. | Auxiliary Boom Head | **(NA) Not Applicable** | |
| 138. | Lattice Members | **(SAT) Satisfactory** | |
| 139. | Cord Members | **(SAT) Satisfactory** | |
| 140. | End Connections/Pins | **(SAT) Satisfactory** | |
| 141. | Boom Foot Pins and Keepers | **(SAT) Satisfactory** | P141 |
| 142. | Hoist Line Dead End | **(SAT) Satisfactory** | |
| 143. | Wire Rope Retainers | **(SAT) Satisfactory** | |
| **Luffing Boom Attachment** | | | |
| 150. | Luffing Jib Section Identification | **(SAT) Satisfactory** | |
| 151. | Luffing Jib Section Sequence | **(SAT) Satisfactory** | |

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| | | | |
|---|---|---|---|
| 152. | Luffing Jib Tip Section | **(SAT) Satisfactory** | P152 |
| 153. | Luffing jib Warning Decals | **(SAT) Satisfactory** | |
| 154. | Luffing Jib Point Sheaves | **(SAT) Satisfactory** | P154 |
| 155. | Luffing Hoist Line Dead End | **(SAT) Satisfactory** | |
| 156. | Wire Rope Retainers | **(SAT) Satisfactory** | |
| 157. | Luffing Jib Foot Keepers and Pins | **(SAT) Satisfactory** | |
| 158. | Lattice Members | **(SAT) Satisfactory** | |
| 159. | Cord Members | **(SAT) Satisfactory** | |
| 160. | End Connections and Pins | **(SAT) Satisfactory** | |
| 161. | Luffing Jib Angle Indicator | **(SAT) Satisfactory** | P161 |
| 162. | Guard Rails | **(SAT) Satisfactory** | |
| 163. | Luffing Jib Stops | **(SAT) Satisfactory** | |
| 164. | Walking Surfaces | **(SAT) Satisfactory** | P164 |
| 165. | Luffing Jib Hoist Reeving | **(SAT) Satisfactory** | |

**Wire Rope Main Hoist drum**

| | | | |
|---|---|---|---|
| 183. | Rope Damage | **(SAT) Satisfactory** | |
| | *1 part* | | |
| 184. | Diameter & Wear | | |

| Size: | Diameter & Wear |
|---|---|
| **26 mm** | **27.65 mm** |

| | | | |
|---|---|---|---|
| 185. | Broken Wires | **(SAT) Satisfactory** | |
| 186. | Lubrication | **(SAT) Satisfactory** | |
| 187. | End Connectors | **(SAT) Satisfactory** | |
| 188. | End Connectors, Pins, Keepers | **(SAT) Satisfactory** | |

**Wire rope Auxiliary Drum 1**

| | | | |
|---|---|---|---|
| 189. | Rope Damage | **(NA) Not Applicable** | |
| 190. | Diameter & Wear | | |

| Size | Diameter / wear |
|---|---|
| **0** | **0** |

| | | | |
|---|---|---|---|
| 191. | Broken Wires | **(NA) Not Applicable** | |
| 192. | Lubrication | **(NA) Not Applicable** | |
| 193. | End Connectors | **(NA) Not Applicable** | |

**Wire rope Auxiliary Drum 2**

| | | | |
|---|---|---|---|
| 194. | Rope Damage | **(NA) Not Applicable** | |
| 195. | Diameter & Wear | | |

| Size | Diameter & Wear |
|---|---|
| **0** | **0** |

| | | | |
|---|---|---|---|
| 196. | Broken Wires | **(NA) Not Applicable** | |
| 197. | Lubrication | **(NA) Not Applicable** | |
| 198. | End Connectors | **(NA) Not Applicable** | |

**Wire rope Auxiliary drum 3**

| | | | |
|---|---|---|---|
| 199. | Rope Damage | **(SAT) Satisfactory** | |
| | *Luffing Jib* | | |
| 200. | Measured Wear. | **(SAT) Satisfactory** | |
| 201. | Diameter & Wear | | |

| Size: | Diameter & Wear |
|---|---|
| **20 mm** | **20.99 mm** |

| | | | |
|---|---|---|---|
| 202. | Broken Wires | **(SAT) Satisfactory** | |

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| | | | |
|---|---|---|---|
| 203. | Lubrication | | **(SAT) Satisfactory** |
| 204. | End Connectors | | **(SAT) Satisfactory** |
| **Wire rope Boom Hoist Drum** | | | |
| 205. | Rope Damage | | **(SAT) Satisfactory** |
| 206. | Diameter & Wear | | |
| | Size: | Diameter & Wear: | |
| | **24 mm** | **25.01 mm** | |
| 207. | Broken Wires | | **(SAT) Satisfactory** |
| 208. | Lubrication | | **(SAT) Satisfactory** |
| 209. | End Connectors | | **(SAT) Satisfactory** |
| **Pendants & End connections** | | | |
| 210. | Rope Damage. | | **(NA) Not Applicable** |
| 211. | Diameter & Wear | | |
| | Size: | Diameter & Wear | |
| | **0** | **0** | |
| **Overhaul Ball & Hook** | | | |
| 223. | Capacity Marking | | **(SAT) Satisfactory** P223 |
| 224. | Weight Marking | | **(SAT) Satisfactory** |
| 225. | Safety Latches | | **(SAT) Satisfactory** |
| 226. | 0° Hook Bend or Twist | | **(SAT) Satisfactory** |
| 227. | 5% Hook Opening or 1/4" Max | | **(SAT) Satisfactory** |
| 228. | 10% Hook Wear Max | | **(SAT) Satisfactory** |
| 229. | Swivel / Bearing | | **(SAT) Satisfactory** |
| 230. | Wedge Socket / End Fitting | | **(SAT) Satisfactory** |
| **No-Load Operational Test** | | | |
| 231. | No-Load Operational Test | | **(SAT) Satisfactory** |
| **Verification and Completion** | | | |
| 232. | Inspector Name and Signature | | **Steven Edling** |



| | | | |
|---|---|---|---|
| 233. | Date of Inspection | | **11/11/2026** |
| 234. | Customer Name and Signature | | |
| 235. | Certificate Issued | | **(Y) Yes** P235 |



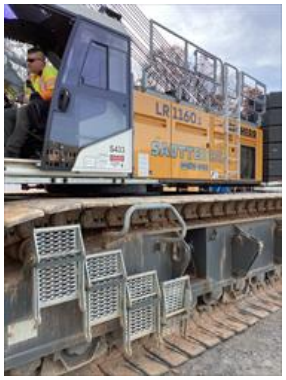
**P2.1**




**P12.2**



**P13.3**



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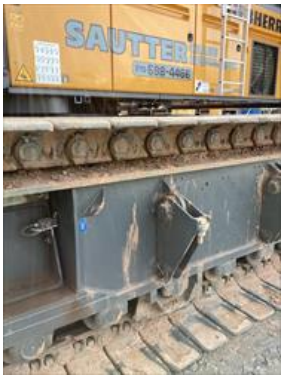



**P49.5**



**P66.6**




**P72.7**



**P81.8**



**P90.9**



**P92.10**



**P105.11**



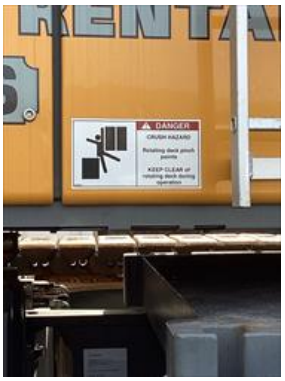
**P111.12**



**P121.13**



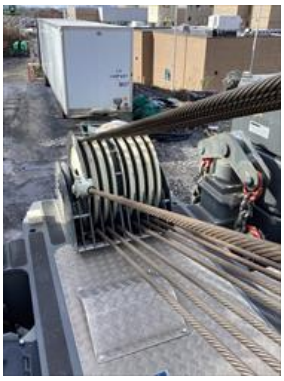
**P121.14**




**P122.15**



**P124.16**



**P126.17**



**P127.18**



**P130.19**



**P132.20**

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**P136.21**



**P141.22**



**P152.23**



**P154.24**



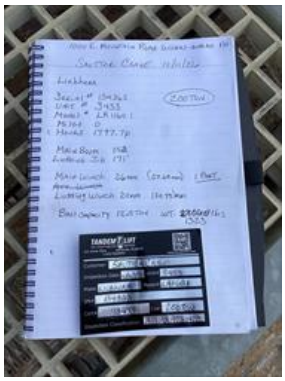

**P161.25**



**P164.26**



**P223.27**



**P235.28**

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