



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

FolderID: 12222  
FormID: 16959698



**Hydraulic Boom Crane Inspection Report**  
**(1910.180 & 1926.1400-1926.1441 as necessary)**

**Completed by: Dylan VanHorn on 06/03/2023**

Location:	USA
Serial #:	060 251
Unit #:	S214

Manufacturer:	Liebherr
Model:	LTM 1070-4.2
Capacity:	70 Tons
Length/Lift:	164'
Type of Crane:	Truck Crane (1910.180 & 1926.1400)
Number of Hoists:	Main & Auxiliary (Not in Use)
Boom Configuration:	Main Boom with Stowed Jib

Priorities Found: ● 1 - Medium ● 3 - Low ● 98 - Good

**Location of Equipment**

1. Location of Equipment **Philadelphia, PA**

**Customer Sign Off**

2. Customer Sign Off

*IF THERE ARE NO DEFICIENCIES NOTHING NEEDS TO BE DONE.*

*IF THERE ARE ANY HIGH, RED, DEFICIENCIES PLEASE FOLLOW THE BELOW INSTRUCTIONS*

*The deficiencies marked HIGH in RED shall be corrected and this report must be dated, signed and email THIS PAGE ONLY to either jaime@atlanticcrane.com or gina@atlanticcrane.com or fax THIS PAGE ONLY to our office at 215-639-2316 and a certification and sticker will be issued. The above 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 safety.*

*The undersigned verifies the listed deficiencies denoted with an (DEF, HIGH, RED) have been corrected.*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Inspection Information**

3. Inspection Number	<b>23060303DV</b>
4. Inspection Date	<b>06/03/2023</b>
<span style="color: green;">●</span> 5. Inspection Type	<b>(Ann) Annual</b>

**Information & Records**

<span style="color: green;">●</span> 6. Documentation of Annual / Comprehensive Inspection	<b>(SAT) Satisfactory</b>
<span style="color: green;">●</span> 7. Monthly Inspection	<b>(SAT) Satisfactory</b>
<span style="color: green;">●</span> 8. Record of Maintenance	<b>(SAT) Satisfactory</b>
<span style="color: green;">●</span> 9. Hand Signal Chart	<b>(SAT) Satisfactory</b>
<span style="color: green;">●</span> 10. Safety and Warning Labels	<b>(SAT) Satisfactory</b>
<span style="color: green;">●</span> 11. Operator's Manual	<b>(SAT) Satisfactory</b>

**Safety Devices / Operational Aids**

<span style="color: green;">●</span> 12. Audible Reverse Signal Alarm	<b>(SAT) Satisfactory</b>
<span style="color: green;">●</span> 13. Audible Warning Device	<b>(SAT) Satisfactory</b>
<span style="color: green;">●</span> 14. Boom Angle Indicator	<b>(SAT) Satisfactory</b>
<span style="color: green;">●</span> 15. Boom Length Indicator	<b>(SAT) Satisfactory</b>
















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● 16.	Drum Rotation Indicator	(SAT) Satisfactory
● 17.	Two-Block System	(SAT) Satisfactory
● 18.	Load Moment Indicator	(SAT) Satisfactory
● 19.	Load Weight Indicator	(SAT) Satisfactory
● 20.	Level Indicator	(SAT) Satisfactory
● 21.	Fire Extinguisher	(SAT) Satisfactory
<b>Load Chart</b>		
● 22.	Load Chart	(SAT) Satisfactory
● 23.	Per Configuration	(SAT) Satisfactory
● 24.	Visible from Fixed Operator's Station	(SAT) Satisfactory
<b>Carrier</b>		
● 25.	Steering	(SAT) Satisfactory
● 26.	Parking Brake	(SAT) Satisfactory
● 27.	External Lights (Headlights, Taillights, Brake Lights)	(SAT) Satisfactory
● 28.	Windshield Wipers	(SAT) Satisfactory
● 29.	Windows / Mirrors	(SAT) Satisfactory
● 30.	Wheels/Tires	(SAT) Satisfactory
● 31.	Engine Performance	(SAT) Satisfactory
● 32.	Exhaust System	(SAT) Satisfactory
● 33.	Drive Line	(SAT) Satisfactory
● 34.	Main Frame Members	(SAT) Satisfactory
● 35.	Hydraulic Hoses, Fittings, Tubes	(SAT) Satisfactory
● 36.	Hydraulic Fluid Level	(SAT) Satisfactory
● 37.	Hoses / Tubing / Fittings .	(SAT) Satisfactory
● 38.	Slip Resistant Walking surface	(SAT) Satisfactory
<b>Outriggers</b>		
● 39.	Boxes & Beams	(SAT) Satisfactory
● 40.	Hydraulic Cylinders	(SAT) Satisfactory
● 41.	Pad / Float	(SAT) Satisfactory
● 42.	Hoses / Tubing / Fittings	(SAT) Satisfactory
● 43.	Holding Valves	(SAT) Satisfactory
● 44.	Caution / Warning Signs	(SAT) Satisfactory
<b>Operator's Station</b>		
● 45.	Windows/Wipers	(SAT) Satisfactory
● 46.	Cab Door Restraint	(SAT) Satisfactory
● 47.	Cab Access	(SAT) Satisfactory
● 48.	Steps / Ladders / Handrails	(SAT) Satisfactory
● 49.	Anti-Skid Stepping Surfaces	(SAT) Satisfactory
● 50.	Fire Extinguisher	(SAT) Satisfactory
● 51.	Electrocution Warning Sign(s)	(SAT) Satisfactory
● 52.	Horn	(SAT) Satisfactory
● 53.	Controls Identified	(SAT) Satisfactory
● 54.	Control Functions	(SAT) Satisfactory
● 55.	Power Plant Controls	(SAT) Satisfactory
● 56.	Operator Cutoff (Deadman) Switch	(SAT) Satisfactory
<b>Rotating Upper Structure</b>		
● 57.	Engine Performance	(SAT) Satisfactory
● 58.	Exhaust System/Guards & Insulators	(SAT) Satisfactory

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59.	Hoses	(SAT) Satisfactory
60.	Counterweight Frame	(SAT) Satisfactory
61.	Ring and Pinion Gear	(SAT) Satisfactory
62.	Hydraulic and Pneumatic Pumps	(SAT) Satisfactory
63.	Hydraulic Tubes, Fitting, and Hoses	(SAT) Satisfactory
64.	Hydraulic Pressure	(SAT) Satisfactory
65.	Electrical Wiring	(SAT) Satisfactory
66.	Swing System / Assembly	(SAT) Satisfactory
67.	Counterweight Mounting	(SAT) Satisfactory
68.	Counterweight Posted Warnings	(SAT) Satisfactory
69.	Electrocution Posted Warnings	(SAT) Satisfactory
70.	Structure	(SAT) Satisfactory
<b>Hoist System</b>		
71.	Brakes and Clutch System	(SAT) Satisfactory
72.	Wire Rope Reeving	(SAT) Satisfactory
73.	2 Rope Wrap Minimum	(SAT) Satisfactory
74.	Motor	(SAT) Satisfactory
75.	Drums/Lagging/Flanges	(SAT) Satisfactory
76.	Anchor System	(SAT) Satisfactory
77.	Hoist Spooling	(SAT) Satisfactory
<b>Main Boom</b>		
78.	Lift Cylinder(s)	(SAT) Satisfactory
79.	Telescoping Boom Cylinder(s)	(MON) Monitor
	<i>Boom extension cylinder weeping. Monitor condition monthly.</i>	
80.	Hydraulic Hoses, Tubes, and Fittings	(SAT) Satisfactory
81.	Holding Device	(SAT) Satisfactory
82.	Boom Sections Alignment	(SAT) Satisfactory
83.	Wear Pads	(SAT) Satisfactory
84.	Sheaves	(SAT) Satisfactory
85.	Boom Hinge Pin	(SAT) Satisfactory
86.	Boom Head Section	(SAT) Satisfactory
87.	Structure	(SAT) Satisfactory
<b>Jib/Fly Extension</b>		
88.	Sheaves	(SAT) Satisfactory
89.	Structure	(SAT) Satisfactory
90.	Locking Device	(SAT) Satisfactory
91.	Alignment	(SAT) Satisfactory
92.	End Connections and Pins	(SAT) Satisfactory
<b>Main Drum Wire Rope</b>		
93.	Diameter and wear	
	Size	Construction
	17 mm	Rotation Resistant
		Number of Parts of Line
		2 Parts
94.	Rope Damage	(Mon) Monitor
	<i>2 minor dog legs in wire rope. Monitor condition monthly.</i>	
95.	Lubrication	(SAT) Satisfactory
96.	End Connectors	(SAT) Satisfactory
<b>Auxiliary drum wire rope</b>		

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97.	Diameter and wear			
	Size	Construction	Number of Parts of Line	
	N/A			
<b>Main Hoist Load Block/Ball &amp; Hook</b>				
98.	Capacity & Weight			P100
	Capacity	Weight		
	<b>16 tons</b>	<b>300 kg</b>		
	99. Capacity Marking		(SAT) Satisfactory	
	100. Weight Marking		(SAT) Satisfactory	
	101. Sheave(s)		(MON) Monitor	P103
	 <i>Wire rope rubbing on sheave guard. Monitor condition monthly.</i>			
	Resolved: (6/13/2023)			
	102. Safety Latch(es)		(SAT) Satisfactory	
	103. 0° Hook Bend or Twist		(SAT) Satisfactory	
	104. 5% Hook Opening or 1/4" Max		(SAT) Satisfactory	
	105. 10% Hook Wear Max		(REC) Recommendation	P107
	 <i>Some nicks and gouges on backside of hook. Recommend replacement of hook.</i>			
	Resolved: (6/13/2023)			
	106. Bearing		(SAT) Satisfactory	
	107. Wedge Socket / End Fitting		(SAT) Satisfactory	
	108. Reeving		(SAT) Satisfactory	
<b>Verification and Completion</b>				
109.	Inspector Name and Signature		Dylan VanHorn	
				
110.	Additional Inspection Notes			
	<i>No visible deficiencies found at time of inspection</i>			
	111. Sticker Given		(N) No, Will be Mailed	



P80.1



P80.2

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P100.3



P103.4



P107.5



P107.6