



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

Limerick Power Plant

on

3/18/2025

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




Hydraulic Boom Crane Annual Inspection Report (1910.180 & 1926.1400) - <i>Limerick Power Plant</i>	Telescoping Boom Crane: 237090 - S345	0	0	0	1.0
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Overview




Breakdown by Form

Form Type	 High	 Med	 Low	# Forms
Hydraulic Boom Crane Annual Inspection Report (1910.180 & 1926.1400)	0	0	0	1
Overall:	0	0	0	1

Breakdown by Location

Location	 High	 Med	 Low	# Forms
Limerick Power Plant	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

Hydraulic Boom Crane Annual Inspection Report (1910.180 & 1926.1400)

Sautter Crane rental
2900 Black Lake Place
Philadelphia, PA 19154

FolderID: 031825S345
FormID: 23773118



Telescoping Boom Crane

Completed by: Steve Edling on 03/18/2025

Location: Limerick Power Plant

Serial Number: 237090

Unit Number: S345

Manufacturer: Grove

Model: RT540E

Capacity: 40 Tons

Length/Lift: 102'

Type of Crane: Rough Terrain Crane

Number of Hoists: Main Only

Boom Configuration: Main Boom with Stowed Jib

Load Test: No

Priorities Found: ● 99 - Good

General

1. Location of Equipment **Limerick power plant**
2. Customer Sign Off
3. Hours & Mileage

Hours	Mileage
1075	0

Inspection Information

4. Inspection Number **031825S345**
5. Inspection Date **03/18/2025**
6. Inspection Type **(Ann) Annual**

Information & Records

7. Documentation of Annual/Comprehensive Inspection **(SAT) Satisfactory**
8. Daily/Monthly Inspection Records **(SAT) Satisfactory**
9. Maintenance Records **(SAT) Satisfactory**
10. Hand Signal Chart **(SAT) Satisfactory** P10
11. Safety and Warning Decals **(SAT) Satisfactory** P11
12. Operators Manual **(SAT) Satisfactory**
13. Equipment Modification(s) or Additions **(SAT) Satisfactory**

Safety Devices & Operational Aids

14. Backup Alarm **(SAT) Satisfactory**
15. Audible Warning Device **(SAT) Satisfactory**
16. Boom Angle Indicator **(SAT) Satisfactory**
17. Boom Length Indicator **(SAT) Satisfactory**
18. Drum Rotation Indicator(s) **(SAT) Satisfactory**
19. Anti Two-Block Device/System **(SAT) Satisfactory**

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● 20. Load Moment Indicator (LMI)	(SAT) Satisfactory
● 21. Load Weight Indicator	(SAT) Satisfactory
● 22. Radius Indicator	(SAT) Satisfactory
● 23. Level Indicator(s)	(SAT) Satisfactory
● 24. Fire Extinguisher	(SAT) Satisfactory
Load Chart	
● 25. Visible/Accessible	(SAT) Satisfactory
● 26. Per Configuration	(SAT) Satisfactory
● 27. Durable/Legible/Secured	(SAT) Satisfactory
Carrier	
● 28. Steering	(SAT) Satisfactory
● 29. Parking Brake	(SAT) Satisfactory
● 30. Exterior Lights (Headlights, Turn Signals, Brake Lights, Reverse Lights)	(SAT) Satisfactory
● 31. Windshield & Wipers	(SAT) Satisfactory
● 32. Windows & Mirrors	(SAT) Satisfactory
● 33. Wheels & Tires	(SAT) Satisfactory
● 34. Engine	(SAT) Satisfactory
● 35. Exhaust System	(SAT) Satisfactory
● 36. Drive Line	(SAT) Satisfactory
● 37. Main Frame Members	(SAT) Satisfactory
● 38. Hoses/Fittings//Valves	(SAT) Satisfactory
● 39. Hydraulic Tank & Fluid Level	(SAT) Satisfactory
● 40. Slip Resistant Walking Surfaces	(SAT) Satisfactory
● 41. Steps/Ladders/Handrails	(SAT) Satisfactory
Outriggers/Stabilizers	
● 42. Structure & Mounting	(SAT) Satisfactory
● 43. Boxes & Beams	(SAT) Satisfactory
● 44. Cylinders	(SAT) Satisfactory
● 45. Pads/Floats	(SAT) Satisfactory
● 46. Hoses/Fittings//valves	(SAT) Satisfactory
Operators Station	
● 47. Windows & Wipers	(SAT) Satisfactory
● 48. Cab Door Restraint	(SAT) Satisfactory
● 49. Cab Access	(SAT) Satisfactory
● 50. Steps/Ladders/Handrails	(SAT) Satisfactory
● 51. Anti-Skid Stepping Surfaces	(SAT) Satisfactory
● 52. Fire Extinguisher	(SAT) Satisfactory
● 53. Operator Horn	(SAT) Satisfactory
● 54. Controls Identified	(SAT) Satisfactory
● 55. Control Functions	(SAT) Satisfactory
● 56. Power Plant Controls	(SAT) Satisfactory
● 57. Operator Cutoff Switch (Deadman)	(SAT) Satisfactory
● 58. Brake & Clutch	(SAT) Satisfactory
● 59. Travel Controls	(SAT) Satisfactory
● 60. Accelerator/Throttle Control	(SAT) Satisfactory
● 61. Hoses/Fittings/Valves	(SAT) Satisfactory
● 62. Housekeeping	(SAT) Satisfactory
Rotating Upper Structure	



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63.	Structure	(SAT) Satisfactory	
64.	Hoses/Fittings/Valves	(SAT) Satisfactory	
65.	Hydraulic & Pneumatic Pumps	(SAT) Satisfactory	
66.	Hydraulic Pressure	(SAT) Satisfactory	
67.	Electrical Wiring	(SAT) Satisfactory	
68.	Ring & Pinion Gear	(REC) Recommendation	P68
	Ring gear could use some open gear lube		
69.	Swing System/Assembly	(SAT) Satisfactory	
70.	Counterweight Frame	(SAT) Satisfactory	
71.	Counterweight Mounting	(SAT) Satisfactory	
Hoist System			
72.	Brakes & Clutch System	(SAT) Satisfactory	
73.	Wire Rope Reeving	(SAT) Satisfactory	
74.	2 Rope Wrap Minimum	(SAT) Satisfactory	P74
75.	Hoist Motor	(SAT) Satisfactory	
76.	Hoses/Fittings/Valves	(SAT) Satisfactory	
77.	Drums/Lagging/Flanges	(SAT) Satisfactory	
78.	Anchor System	(SAT) Satisfactory	
79.	Hoist Spooling	(SAT) Satisfactory	P79
Main Boom			
80.	Lift Cylinder(s)	(SAT) Satisfactory	
81.	Telescoping Boom Cylinder(s)	(SAT) Satisfactory	
82.	Hoses/Fittings/Valves	(SAT) Satisfactory	
83.	Holding Device	(SAT) Satisfactory	
84.	Boom Sections Alignment	(SAT) Satisfactory	P84
85.	Wear Pads	(REC) Recommendation	
	All the wear pad mounting bolts were loose. I would recommend a thread locking product used.		
86.	Sheaves	(SAT) Satisfactory	
87.	Wire Rope Retainers	(SAT) Satisfactory	
88.	Boom Hinge Pin	(SAT) Satisfactory	
89.	Boom Head Section	(SAT) Satisfactory	P89
90.	Auxiliary Boom Head	(NA) Not Applicable	
91.	Structure	(SAT) Satisfactory	
Main Drum Wire Rope			
98.	Wire Rope Information		
	Diameter	Construction/Type	Number of Parts
	5/8 (16 mm)	non rotation 35x7	4
99.	Rope Damage	(SAT) Satisfactory	
100.	Lubrication	(SAT) Satisfactory	
101.	End Connectors	(SAT) Satisfactory	
Main Hoist Load Block/Headache Ball/Hook			
102.	Capacity and Weight		P102
	Capacity	Weight	
	33 ton	644 lbs	
103.	Capacity Marking	(SAT) Satisfactory	P103
104.	Weight Marking	(SAT) Satisfactory	P104
105.	Sheave(s)	(SAT) Satisfactory	
106.	Safety Latch(es)	(SAT) Satisfactory	

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107. 0° Hook Bend/Twist	(SAT) Satisfactory	
108. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory	
109. 10% Hook Wear Max	(SAT) Satisfactory	
110. Bearing	(SAT) Satisfactory	
111. Wedge Socket/End Fitting	(SAT) Satisfactory	P111
112. Reeving	(SAT) Satisfactory	
Verification and Completion		
113. Inspector Name & Signature	Steven Edling	
		
114. Additional Inspection Notes	Wear pad bolts were tightened at time of inspection.	
115. Sticker Given	(Y) Yes, Given on Site	P115



P10.1



P11.2



P11.3



P68.4



P74.5



P79.6



P84.7



P89.8



P89.9



P89.10



P102.11



P103.12



P104.13



P111.14



P115.15