



Prepared for:

Sautter Crane rental

2900 Black Lake Place Philadelphia, PA 19154

Cleveland Cliffs Steel Mill

on

4/3/2025

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>Cleveland Cliffs Steel Mill</i>	0	4	0	1.0
Telescoping Boom Crane: 233433 - S181				

Overview




Breakdown by Form

Form Type	 High	 Med	 Low	# Forms
Hydraulic Boom Crane Annual Inspection Report (1910.180 & 1926.1400)	0	4	0	1
Overall:	0	4	0	1

Breakdown by Location

Location	 High	 Med	 Low	# Forms
Cleveland Cliffs Steel Mill	0	4	0	1
Overall:	0	4	0	1

Breakdown by Asset

Asset Type	 High	 Med	 Low	# Assets
Telescoping Boom Crane	0	4	0	1
Overall:	0	4	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: 040325S181
FormID: 23986087



Telescoping Boom Crane

Completed by: Steve Edling on 04/03/2025

Location: Cleveland Cliffs Steel Mill
200 Strode Ave.
Coatesville, PA 19320

Serial Number: 233433

Unit Number: S181

Manufacturer: Grove

Model: RT540E

Capacity: 40 Tons

Length/Lift: 102'

Type of Crane: Rough Terrain Crane

Number of Hoists: Main and Auxiliary (Not in Use)

Boom Configuration: Main Boom w/o Attached Jib

Load Test: No

Priorities Found: ● 4 - Medium ● 94 - Good

General

1. Location of Equipment	Cleveland Cliffs Steel Mill
2. Customer Sign Off	
3. Hours & Mileage	
Hours	Mileage
3453.3	0

Inspection Information

4. Inspection Number	040325S181
5. Inspection Date	04/03/2025
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)	(REC) Recommendation
■	<i>Left back up light is not working</i>	
●	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

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Rotating Upper Structure			
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	(SAT) Satisfactory	
69.	Swing System/Assembly	(SAT) Satisfactory	
70.	Counterweight Frame	(SAT) Satisfactory	
71.	Counterweight Mounting	(SAT) Satisfactory	
Hoist System			
72.	Brakes & Clutch System	(NA) Not Applicable	
73.	Wire Rope Reeving	(SAT) Satisfactory	
74.	2 Rope Wrap Minimum	(SAT) Satisfactory	
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	(REC) Recommendation	P79
	Spooling has gaps. Recommend respooling the cable		
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	(REC) Recommendation	
	When the boom is fully extended, the last outer section has a 3 inch deflection from the rest of the boom. I recommend that a mechanic check the upper wear pads at the base of that section.		
85.	Wear Pads	(REC) Recommendation	
	All the wear pads on the bottom of the boom have loose mounting bolts		
86.	Sheaves	(SAT) Satisfactory	
87.	Wire Rope Retainers	(SAT) Satisfactory	
88.	Boom Hinge Pin	(SAT) Satisfactory	
89.	Boom Head Section	(SAT) Satisfactory	
90.	Auxiliary Boom Head	(NA) Not Applicable	
91.	Structure	(SAT) Satisfactory	
Main Drum Wire Rope			
92.	Wire Rope Information		
	Diameter	Construction/Type	Number of Parts
	5/8 inch	non rotation	3
93.	Rope Damage	(SAT) Satisfactory	
94.	Lubrication	(SAT) Satisfactory	
95.	End Connectors	(SAT) Satisfactory	
Main Hoist Load Block/Headache Ball/Hook			
96.	Capacity and Weight		
	Capacity	Weight	
	40 Tons	588 lbs	
	3 parts		

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97. Capacity Marking	(SAT) Satisfactory	P97
98. Weight Marking	(SAT) Satisfactory	P98
99. Sheave(s)	(SAT) Satisfactory	
100. Safety Latch(es)	(SAT) Satisfactory	P100
101. 0° Hook Bend/Twist	(SAT) Satisfactory	
102. 5% Hook Opening or 1/4" Max	(SAT) Satisfactory	
103. 10% Hook Wear Max	(SAT) Satisfactory	
104. Bearing	(SAT) Satisfactory	
105. Wedge Socket/End Fitting	(SAT) Satisfactory	P105
106. Reeving	(SAT) Satisfactory	

Auxiliary Drum Wire Rope

107. Wire Rope Information

Diameter	Construction/Type	Number of Parts
0	0	0

Verification and Completion

108. Inspector Name & Signature

Steven Edling



109. Additional Inspection Notes

110. Sticker Given (Y) Yes, Given on Site P110



P10.1



P11.2



P11.3



P79.4



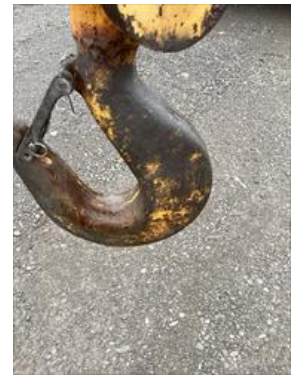
P79.5



P97.6



P98.7



P100.8

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P105.9



P110.10