

Quality Inspection and Repair LLC

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OSHA/ANSI Annual Periodic INSPECTION – CHECKLIST		Inspection No: 3593	Date: 11-06-2018
Type of Inspection:		Expiration Date:	
Annual Mobile Crane Safety Inspection		11-30-2019	
Make:	Model:	Serial Number:	
LINKBELT	RTC 80100 Series II	J7 J8-0058	
Rated Capacity:		Unit:	
100 TON		91	
Type:	Boom Length:	Jib Length:	
Rough Terrain	150 Ft	N/A	
Owner:		Contact Person:	
ROCKY MOUNTAIN CRANE SERVICE		LUKE SUSTRICH	
135 CRANE LANE SALIDA, C.O. 81201		Location:	
		GENOA WF JOB SITE	
		Phone No:	
		719-539-4966	

- ❖ Before inspecting crane, lock out / tag out power source.
- ❖ Consult operator/service manual, service bulletins, etc., for additional inspection items.
- ❖ Before inspecting and operating crane, crane must be set up away from power lines and leveled with outriggers fully extended.
- ❖ OSHA and ANSI allow only qualified and competent persons to inspect cranes. To qualify, inspectors must have been through training, have extensive knowledge and demonstrated ability. **References:** OSHA 1926.550, 1910.179, 1910.180, 1910.181, ASME B30.2, B30.5, B30.10, B30.11, B30.16, B30.17 and B30.23.

Status: S = Satisfactory D = Deficiency R = Recommendation N/A = Not Applicable

Item	Status
Documents/Records	
1. Inspection Records	S
2. Maintenance Records	S
3. Repair/Modification Records	S
4.	
General	
5. Guards/ Covers	S
6. Housekeeping	S
7. Paint/Corrosion Control	S
8. Sheet Metal	S
9.	
Drivers Cab & Station	
10. Access Grasp Rails/Steps	N/A
11. Glass	N/A
12. Windshield Wipers	N/A
13. Door(s)/Door(s) Restraints	N/A
14. Fire Extinguisher	N/A
15. Mirrors	N/A
16. Seat(s) Restraint(s)	N/A
17. Seat Belt(s)	N/A
18. Instruments/Gauges	N/A
19. Control Identification	N/A
20. Electrical Switch/Function	N/A
21. Horn	N/A
22. Lights	N/A
23. Steering	N/A
24. Engine Clutch	N/A
25. Power take-off	N/A
26. Warning Device	N/A
27. Accelerator/Throttle	N/A
28. Brake	N/A
29. Parking Brake	N/A
30.	
Truck/Chassis/Carrier	
31. Performance	S
32. Exhaust System/Guards & Insulators	S

Item	Status
Truck/Chassis/Carrier (Continued)	
33. Belts/Hoses	S
34. Guards/Covers	S
35. Transmission	S
36. Drive Lines	S
37. Main Frame Members	S
38. Tires/Wheels	S
39. Tire Air Pressure	S
40. Hydraulic Hoses/Tubing/Fittings	S
41. Hydraulic Fluid Level	S
42. Axle Lockout	S
43. Anti-Skid Surface	S
44. Back-up Alarm	S
45. Front Bumper Counterweight	N/A
46. Suspension	S
47.	
Operator's Cab & Station	
48. Operators Manual	S
49. Grab Rails/Steps/Platforms	S
50. Glass	S
51. Windshield Wiper(s)	S
52. Anti-Skid Surface	S
53. Door(s)/Door(s) Restraint	S
54. Mirrors	S
55. Seat Restraint	S
56. Seat Belts	S
57. Fire Extinguisher	S
58. Operating Instructions/Decals	S
59. Electrocution Warning Sign (Inside)	S
60. Hand Signal Chart	S
61. Swing Brake	S
62. Positive Swing Lock	S
63. Controls Forces/Movements	S
64. Foot Brakes – Latches/Linkage	S
65. Power Controlled Lowering	S
66. Engine Clutch	N/A

Owner: ROCKY MOUNTAIN CRANE SERVICE	Unit: 91	Date: 11-06-2018
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Item	Status
Operator's Cab & Station (Continued)	
67. Accelerator/Throttle Control	S
68. Air Pressure	S
69. Hydraulic Leaks	S
70. Horn/Warning Device	S
71.	
Load Charts	
72. Per Configuration	S
73. Durable	S
74. Legible	S
75. Visible From Operator Station	S
76. Secured	S
77.	
Safety Devices/Operational Aids	
78. Boom Angle Indication	S
79 Boom Length Indication	S
80. Main Drum Rotation Indicator	S
81. Aux. Drum Rotation Indicator	S
82. Load Moment Indicator	S
83. Load Weight Indicator	S
84. Radius Indicator	S
85. Crane Level Indicator	S
86. Anti-Two Block Device	S
87. Two Block Warning Device	S
88. Overload Protection	S
89. Boom Hoist Ratchet and Pawl	N/A
90.	
Outriggers	
91. Boxes	S
92. Beams	S
93. Cylinders	S
94. Floats/Pads	S
95. Hydraulic Hoses/Fitting/Tubes	S
96. Holding Valves	S
97. Position Locks	N/A
98. Caution/Warning Signs	S
99.	
Power Plant (Upper)	
100. Performance	S
101. Exhaust System	S
102. Belts/Hoses	S
103. Guards/Covers	S
104.	
Rotating Upper Structure	
105. Turntable/Bearing	S
106. Turntable-Rollers/Roller Path	S
107. Mounting/Frame	S
108. Ring Gear/Pinion Gear	S
109. Swing Gear Box	S
110. Swing System/Assembly	S
111. Hydraulic Pump(s)	S
112. Hydraulic Hoses/Tubing/Fittings	S
113. Hydraulic Pressure	S
114. Main Hoist – Motor/Valves/Lines	S
115. Main Hoist – Clutch/Brakes	S
116. Main Hoist – Wrappings on Drum	S
117. Main Hoist – Minimum (2) Rope Wraps	S

Item	Status
Rotating Upper Structure (Continued)	
118. Aux Hoist – Motor/Valves/Lines	S
119. Aux Hoist – Clutch/Brakes	S
120. Aux Hoist – Wrapping on Drum	S
121. Aux Hoist – Minimum (2) Rope Wraps	S
122. Boom Hoist – Motor/Valves/Lines	N/A
123. Boom Hoist – Clutches/Brakes	N/A
124. Boom Hoist – Wrapping on Drum	N/A
125. Boom Hoist – Minimum (2) Rope Wraps	N/A
126. Boom Hoist – Gears/Shafts/Etc.	N/A
127. Hydraulic Motors/Valves/Lines/etc.	S
128. Drums/Flanges	S
129. Clutch/Brake Protection	S
130. Torque Converter	N/A
131. Air System – Compressor/Line/etc.	S
132. Counterweight & Mounting	S
133. Counterweight Warning Sign	S
134. Anti-Skid Surface	S
135. Electrocution Warning Sign (Outside)	S
136. Access to Cab and Roof	S
137. Steps/Hand Holds/Platforms	S
138.	
Main Boom	
139. Lift Cylinder(s)	S
140. Telescoping Cylinder(s)	R
141. Hydraulic Hoses/Tubing/Fittings	S
142. Holding Device	S
143. Boom Sections Alignment	S
144. Wear Pads	S
145. Equal Extension	S
146. Boom Section Sequence	S
147. Boom Section identification	S
148. Structure	S
149. Warning Decals	S
150. Sheaves	S
151. Boom Head Section	S
152. Aux Boom Tip	S
153. Boom Foot/Foot Pins/Keepers	N/A
154. Boom Hinge Pins	N/A
155. Lattice Members	N/A
156. Cord Members	N/A
157. End Connections/Pins	S
158. Spreader Bar	N/A
159. Hoist Line Dead End	S
160. Wire Rope Retainer(s)	S
161.	
Boom Support System	
162. Gantry/Mast	N/A
163. Boom Stops	N/A
164. Inner Bail	N/A
165. Outer Bail/Equalizer	N/A
166. Sheaves	N/A
167. Boom Hoist Reeving	N/A
168.	
Manual Section	
169. Alignment	N/A
170. Locking Device	N/A

Owner: ROCKY MOUNTAIN CRANE SERVICE	Unit: 91	Date: 11-06-2018
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Item	Status
Manual Section (Continued)	
171. Structure	N/A
172.	
Jib	
173. Positive Stops	N/A
174. Sheave(s)	N/A
175. Wire Rope Retainer(s)	N/A
176. Structure	N/A
177. Lattice Members	N/A
178. Cord Members	N/A
179. End Connections/Pins	N/A
180. Storage Device	N/A
181. Boom Extension Alignment	N/A
182. ASSEMBLY	N/A
Main Load Block & Hook	
Manufacturer: JOHNSON	
Rated Capacity: 100 TON	
Block Weight: 1695 lbs	
Hook Tram Measure: 11 IN	
Item	Status
183. Capacity Marking	S
184. Weight Marking	S
185. Sheaves	S
186. Safety Latches	S
187. 10° Hook Twist	S
188. 15% Hook Throat Opening	S

Item	Status
Main Load Block & Hook (Continued)	
189. 10% Hook Wear	S
190. Swivel	S
191. Bearing	S
192. Wedge Socket/End Fitting	S
193. Reeving	S
194. NDT-Results:	N/A
195.	
Overhaul Ball & Hook	
Manufacturer: LINKBELT	
Rated Capacity: 12 Ton	
Block Weight: 720 lbs	
Hook Tram Measure: 4.25 in	
Item	Status
196. Capacity Marking	S
197. Weight Marking	S
198. Safety Latches	S
199. 10° Hook Twist	S
200. 15% Hook Throat Opening	S
201. 10% Hook Wear	S
202. Swivel	S
203. Bearing	S
204. Wedge Socket/End Fitting	S
205. NDT-Results:	N/A
206.	

No-Load Operational Test		
Item	Status	Caution: Operation of cranes by Inspectors shall be limited to those crane functions necessary to accomplish the inspection. Inspectors must have met all operator trainee qualification requirements as outlined in ANSI/ASME B30.5, i.e., passed physical and written examinations.
207. No-Load Operational Test	S	

Wire Rope								
	Rope Application	Size	Construction	Measured Wear	Rope Damage	Lubrication	End Connections	Status
208.	Main Hoist Drum	7/8	18X19 RR RRL	.883	S	S	S	S
209.	Aux. Hoist Drum	7/8	18X19 RR RRL	.899	S	S	S	S
210.	Boom Hoist Drum							
211.	Boom Pendants							
213.	Jib Pendants							
214.	Other							

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Deficiency / Recommendation Report #3593

Date: 11-06-2018	Owner: ROCKY MOUNTAIN CRANE SERVICE	Unit: 91
Make: LINKBELT	Model: RTC 80100 Series II	Serial No. J7J8-0058

The following corrective action(s) (repairs, adjustments, replacement parts, etc.) are to be performed by a qualified person in accordance with all manufacturer's instructions, specifications, and requirements. OSHA requires that, "any deficiency (D) shall be repaired or defective parts replaced before continued use." Recommendation(s) (R) should be considered for correction action. The advisability of a particular recommendation depends on the facts in each situation. Any correction action(s) is to be performed by a qualified person in accordance with all manufacturer's recommendations, specifications, and requirements. References: OSHA 1926.550, 1910.179, 1910.180, 1910.181, ASME B30.2, B30.5, B30.10, B30.11, B30.16, B30.17 and B30.23.

D=Deficiency R=Recommendation

D/R	ITEM #	EXPLANATION	DATE CORRECTED
		OSHA 1926.550(a)(6) A thorough, annual inspection of the hoisting machinery shall be made by a competent person, or by a government or private agency recognized by the U.S. Department of Labor. The employer shall maintain a record of the dates and results of inspections for each hoisting machine and piece of equipment.	
Note		Outrigger Warning labels need replaced	
R	140	HYDRAULIC LEAK at rod seal on extend cylinder Oil on deck need cleaned up	12-10-18
		NO OTHER DEFICIENCY or RECOMMENDATIONS AT THIS TIME	
		QIRIIC # 3593	
		Joseph E Gibbens	

Inspector: Joseph Gibbens 11/9/18 Company Representative: [Signature]