

Quality Inspection and Repair LLC

PO Box 44141 ~ Rio Rancho, N.M. 87124-2532
Phone 505-892-7490 ~ FAX 505-892-7491
Mobile 505-280-9697

Page 4 of 4

Deficiency / Recommendation Report #3462

Date: 11-16-2017	Owner: ROCKY MOUNTAIN CRANE SERVICE	Unit: # 86 300Ton
Make: LIMA	Model: 7700	Serial No. 3676-3

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	Oil Leaks at hoist control valves and pump control valve,	
Note	46	Wear to walking beam suspension busings	
Note	95	Quick couplers at all outrigger jacks are wet/leaking	
R	210	CRUSHING TO BOOM HOIST ROPE; Recommendation; Lube rope and inspect for damage and broken wire	
		OIL need to be cleaned off deck	
		NO OTHER DEFICIENCY or RECOMMENDATIONS AT THIS TIME	
		QIRIIC # 3462	
		Joseph E Gibbens	

Inspector:

Joseph E Gibbens 11/16/17

Company Representative:

Dan Smith

Quality Inspection and Repair LLC

PO Box 44141 ~ Rio Rancho, N.M. 87124-2532
Phone 505-892-7490 ~ FAX 505-892-7491
Mobile 505-280-9697

Page 1 of 4

OSHA/ANSI Annual Periodic INSPECTION – CHECKLIST		Inspection No: 3462	Date: 11-16-2017
Type of Inspection: Annual Mobile Crane Safety Inspection		Expiration Date: 11-30-2018	
Make: LIMA	Model: 7700	Serial Number: 3676-3	
Rated Capacity: 300 Ton	Unit: 86	300 T	
Type: LATTICE BOOM TRUCK CRANE	Boom Length: 330 FT	Jib Length: 100 FT	
Owner: ROCKY MOUNTAIN CRANE SERVICE		Contact Person: KEN SUSTRICH	
135 CRANE LANE		Location: Lamar	
SALIDA, C.O. 81201		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	S
11. Glass	S
12. Windshield Wipers	S
13. Door(s)/Door(s) Restraints	S
14. Fire Extinguisher	S
15. Mirrors	S
16. Seat(s) Restraint(s)	S
17. Seat Belt(s)	S
18. Instruments/Gauges	S
19. Control Identification	S
20. Electrical Switch/Function	S
21. Horn	S
22. Lights	S
23. Steering	S
24. Engine Clutch	S
25. Power take-off	S
26. Warning Device	S
27. Accelerator/Throttle	S
28. Brake	S
29. Parking Brake	S
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	S
46. Suspension	Note
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:	86 300 T	Date:	11-16-2017
--------	------------------------------	-------	----------	-------	------------

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

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	S
90.	
Outriggers	
91. Boxes	S
92. Beams	S
93. Cylinders	S
94. Floats/Pads	S
95. Hydraulic Hoses/Fitting/Tubes	S/Note
96. Holding Valves	S
97. Position Locks	S
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	S
123. Boom Hoist – Clutches/Brakes	S
124. Boom Hoist – Wrapping on Drum	S
125. Boom Hoist – Minimum (2) Rope Wraps	S
126. Boom Hoist – Gears/Shafts/Etc.	S
127. Hydraulic Motors/Valves/Lines/etc.	S
128. Drums/Flanges	S
129. Clutch/Brake Protection	S
130. Torque Converter	S
131. Air System – Compressor/Line/etc.	S
132. Counterweight & Mounting	S
133. Counterweight Warning Sign	S
134. Anti-Skid Surface	S
135. Electrocuting Warning Sign (Outside)	S
136. Access to Cab and Roof	S
137. Steps/Hand Holds/Platforms	S
138.	
Main Boom	
139. Lift Cylinder(s)	N/A
140. Telescoping Cylinder(s)	N/A
141. Hydraulic Hoses/Tubing/Fittings	N/A
142. Holding Device	N/A
143. Boom Sections Alignment	N/A
144. Wear Pads	N/A
145. Equal Extension	N/A
146. Boom Section Sequence	N/A
147. Boom Section identification	N/A
148. Structure	S
149. Warning Decals	S
150. Sheaves	S
151. Boom Head Section	S
152. Auxiliary Boom Head	N/A
153. Boom Foot/Foot Pins/Keepers	S
154. Boom Hinge Pins	S
155. Lattice Members	S
156. Cord Members	S
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	S
163. Boom Stops	S
164. Inner Bail	S
165. Outer Bail/Equalizer	S
166. Sheaves	S
167. Boom Hoist Reeving	S
168.	
Manual Section	
169. Alignment	N/A
170. Locking Device	N/A

Owner:	Unit:	Date:
ROCKY MOUNTAIN CRANE SERVICE	86 300 T	11-16-2017

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

Item	Status
Manual Section (Continued)	
171. Structure	N/A
172.	
Jib	
173. Positive Stops	S
174. Sheave(s)	S
175. Wire Rope Retainer(s)	S
176. Structure	S
177. Lattice Members	S
178. Cord Members	S
179. End Connections/Pins	S
180. Storage Device	N/A
181. Boom Extension Alignment	S
182.	
Main Load Block & Hook	
Manufacturer: JOHNSON	
Rated Capacity: 300 Ton	
Block Weight: 5630 lbs	
Hook Tram Measure: 14.0 x14.0 in Sister Hook	
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: JOHNSON	
Rated Capacity: 19 Ton	
Block Weight: 1192 lbs	
Hook Tram Measure: 6.00 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	1 1/8	N/A	1.130	S	S	S	S
209.	Aux. Hoist Drum	1 1/8	N/A	1.130	S	S	S	S
210.	Boom Hoist Drum	1.00	N/A	1.051	S	S	S	S
211.	Boom Pendants	1 3/8	N/A	1350	S	S	S	S
213.	Jib Pendants	1 1/2	N/A	1.497	S	S	S	S
214.	Other	1.1/4	N/A	1.253	S	S	S	S