

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

## Deficiency / Recommendation Report # 3463

**Inspector:**

**Company Representative**

# Quality Inspection and Repair LLC

PO Box 44141 ~ Rio Rancho, N.M. 87124-2532  
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<b>OSHA/ANSI Annual Periodic INSPECTION – CHECKLIST</b>		<b>Inspection No:</b> 3463	<b>Date:</b> 11-17-2017
<b>Type of Inspection:</b> <b>Annual Mobile Crane Safety Inspection</b>		<b>Expiration Date:</b> 11-30-2018	
<b>Make:</b> GROVE	<b>Model:</b> HL 150 T	<b>Serial Number:</b> 71607	
<b>Rated Capacity:</b> 150 Ton		<b>Unit:</b> # 85	
<b>Type:</b> LATTICE BOOM TRUCK CRANE	<b>Boom Length:</b> 200 FT	<b>Jib Length:</b> 90ft Jib- 160 ft Lufing Jib	
<b>Owner:</b> ROCKY MOUNTAIN CRANE SERVICE		<b>Contact Person:</b> KEN SUSTRICH	
135 CRANE LANE		<b>Location:</b> LAMAR	
SALIDA, C.O. 81201		<b>Phone No:</b> 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
<b>Documents/Records</b>	
1. Inspection Records	S
2. Maintenance Records	S
3. Repair/Modification Records	S
4.	
<b>General</b>	
5. Guards/ Covers	S
6. Housekeeping	S
7. Paint/Corrosion Control	S
8. Sheet Metal	S
9.	
<b>Drivers Cab &amp; Station</b>	
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.	
<b>Truck/Chassis/Carrier</b>	
31. Performance	S
32. Exhaust System/Guards & Insulators	S

Item	Status
<b>Truck/Chassis/Carrier (Continued)</b>	
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.	
<b>Operator's Cab &amp; Station</b>	
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:	Unit:	Date:
ROCKY MOUNTAIN CRANE SERVICE	# 85	11-17-2017

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Item	Status
<b>Operator's Cab &amp; Station (Continued)</b>	
67. Accelerator/Throttle Control	S
68. Air Pressure	S
69. Hydraulic Leaks	S
70. Horn/Warning Device	S
71.	
<b>Load Charts</b>	
72. Per Configuration	S
73. Durable	S
74. Legible	S
75. Visible From Operator Station	S
76. Secured	S
77.	
<b>Safety Devices/Operational Aids</b>	
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.	
<b>Outriggers</b>	
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.	
<b>Power Plant (Upper)</b>	
100. Performance	S
101. Exhaust System	S
102. Belts/Hoses	S
103. Guards/Covers	S
104.	
<b>Rotating Upper Structure</b>	
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
<b>Rotating Upper Structure (Continued)</b>	
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	N/A
131. Air System – Compressor/Line/etc.	S
132. Counterweight & Mounting	S
133. Counterweight Warning Sign	S
134. Anti-Skid Surface	S
135. Electrocutation Warning Sign (Outside)	S
136. Access to Cab and Roof	S
137. Steps/Hand Holds/Platforms	S
138.	
<b>Main Boom</b>	
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. Lifting Boom Tip and Mast section	S
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. Aux Hoist	S
<b>Boom Support System</b>	
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.	
<b>Manual Section</b>	
169. Alignment	N/A
170. Locking Device	N/A



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<b>Manual Section (Continued)</b>	
171. Structure	N/A
172.	
<b>Jib</b>	
173. Positive Stops	S / S
174. Sheave(s)	S / S
175. Wire Rope Retainer(s)	S / S
176. Structure	S / S
177. Lattice Members	S / S
178. Cord Members	S / S
179. End Connections/Pins	S / S
180. Storage Device	N/A
181. Boom Extension Alignment	S / S
182. Assembly	Jib/Lufer
<b>Main Load Block &amp; Hook</b>	
Manufacturer: JOHNSON 5 sheave	
Rated Capacity: 80 TON	
Block Weight: 2000 lbs	
Hook Tram Measure: 9.00 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
<b>Main Load Block &amp; Hook (Continued)</b>	
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.	
<b>Overhaul Ball &amp; Hook</b>	
Manufacturer: N/A	
Rated Capacity: 15 Ton	
Block Weight: 1200 lbs	
Hook Tram Measure: 5.00 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
207. No-Load Operational Test	N/A

**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.

Wire Rope								
	Rope Application	Size	Construction	Measured Wear	Rope Damage	Lubrication	End Connections	Status
208.	Main Hoist Drum	1.0 IN	MFG Recommended	1.017	S	S	S	S LUBE
209.	Aux. Hoist Drum	1.0 IN	N/A	1.030	S	S	S	S LUBE
210.	Boom Hoist Drum	1.0 IN	N/A	1.017	S	S	S	S LUBE
211.	Boom Pendants	1 1/2	N/A	1.498	S	NEEDED	S	S LUBE
213.	Jib Pendants	1 1/4 (S) 1 1/2 (L)	N/A N/A	1.225 1.497	S S	NEEDED NEEDED	S S	S/lube S/lube
214.	Other	3/4 AUX HOIST	N/A	.750	S	S	S	S LUBE