



Inspection Report: TELESCOPING BOOM CRANE-ANNUAL

OSHA/ANSI/ASME Standards: OSHA 1926.1400, 1910.180, 1926.601 ASME B30.5, B30.10
 Date Inspected: 06/17/2020 Operation Hours: 2,326. upr eng Operation Miles: 25,725.
 Inspector: Steve Marquis Inspection ID: 88.577.1592825730

Equipment Identification and Specifications

Name and Address of Owner	SHERMAN CRANE; 140 West Street , Wilmington MA 01887 USA		
Serial Number	066-511	Unit Number:	181
Year	2014	Manufacturer	LIEBHERR
Model	LTM-1130-5.1		
Max Capacity	315,300 lbs		
Main Hoist Rope Length	820 ft		
Main Hoist Rope Diameter	21 mm		
Main Hoist Rope Type	rotation resistant		
Aux Hoist Rope Length	820 ft		
Aux Hoist Rope Diameter	21 mm		
Aux Hoist Rope Type	rotation resistant		

Did the unit pass the inspection?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Do you want to attach an annual certification to this unit?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Unit Location at Time of Inspection: Wilmington, MA
 GPS Tag:

Inspector  Steve Marquis	
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Inspection Details

Type of Inspection: TELESCOPING BOOM CRANE-ANNUAL

Inspection ID: 88.577.1592825730

S=Satisfactory R=Recommendation D=Deficiency N=Not Applicable

Item	Condition	Item	Condition
TELESCOPING BOOM CRANE-ANNUAL		32. Fire Extinguisher	S
CRANE DATA		33. Gauges / Light Display	S
1. Inspection Records Daily / Monthly / Annual	S	34. Access / Grab Rails / Steps	S
2. Maintenance Records	S	35. Mirrors	S
3. Wire Rope Inspection Records	S	36. Power Take-Off	S
4. Ground Conditions	S	37. Air Pressure	S
GENERAL CONDITION		38. Horn	S
5. Sheet Metal	S	39. Accelerator	S
6. Paint Condition / Corrosion Control	S	40. Operators Manual	S
7. Guards / Covers	S	CARRIER / DRIVETRAIN COMPONENTS	
8. External Lights	S	41. Engine Mounts / Bolts	S
9. Housekeeping	S	42. Transmission Mounts / Bolts	S
10. Warning / Safety Labels	S	43. Drive Line	S
11. OSHA Approved Hand Signal Chart (outside)	S	44. U-Joints	S
POWER PLANT (LOWER)		45. Main Frame Members	S
12. Engine / Pumps Performance	S	46. Axle Mounts	S
13. Exhaust System / Guards & Insulators	S	47. Hydraulic Hoses	S
14. Belts / Pulleys	S	48. Hydraulic Tubing	S
15. Hoses	S	49. Hydraulic Fittings	S
16. Compressor Performance	S	50. Hydraulic Fluid Level	S
17. Guards / Covers for Rotating Parts	S	51. Axle Lockout System	S
18. Engine Oil Level	S	52. Differential Breathers	S
19. Transmission Oil Level	S	53. Tires / Wheels Condition	S
20. Coolant Level	S	54. Tire Inflation Pressure	S
21. Leaks	S	OUTRIGGERS	
DRIVERS CAB / STATION (LOWER)		55. Boxes	S
22. Brakes Service / Parking	S	56. Beams	S
23. Headlights / Trail Lights	S	57. Cylinders / Extensions & Stabilizers	S
24. Brake Lights / Turn Signals	S	58. Floats / Pads	S
25. Back-up Alarm / Lights	S	59. Hydraulic Hoses	S
26. Audible Warning (low air)	S	60. Hydraulic Tubing	S
27. Glass	S	61. Hydraulic Fittings	S
28. Windshield Wipers	S	62. Pilot Operated Check Valves	S
29. Heater / Defroster	S	63. Positive Position Locks	S
30. Seat Belts	S	64. Decals / Warning Labels	S
31. Steering	S	65. Beam Marking	S



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Item	Condition	Item	Condition
RATED CAPACITY CHART		97. Hoses	S
66. Correct Capacity Chart for Crane	S	98. Guards / Covers for Rotating Parts	S
67. Legible / Durable	S	99. Engine Oil Level	S
68. Secured / Accessible to Operator	S	100. Coolant Level	S
OPERATIONAL AIDS		101. Leaks	S
69. Boom Angle Indicator	S	ROTATING SUPERSTRUCTURE	
70. Boom Length Indicator	S	102. Turntable / All Structural Welds	S
71. Anti Two Block / Device / Warning	S	103. Turntable Mounting Bolts	S
72. LMI Make & Model		104. Directional Control Valves	S
LICCON 2		105. Hydraulic Hoses	S
73. Load Moment Indicator	S	106. Hydraulic Tubing	S
74. Load Radius Indicator	S	107. Hydraulic Fittings	S
75. Load Weight Indicator	S	108. Hydraulic Pressure / Relief Valves	S
76. Main Hoist / Winch Rotation Indicator	S	109. Electrical Wiring	S
OPERATORS CAB / STATION		110. Swing / Slew Gearbox	S
77. Glass / Safety Type	S	111. Slewing / Rotation Bearing	S
78. Windshield Wipers / Washers	S	112. Counterweight / Welds / Attachment Area	S
79. Cab Access / Steps / Ladders	S	113. Safety / Warning Labels	S
80. Hand holds / Guardrails	S	114. Main Hoist mounting Bolts	S
81. Anti Slip Walking Surfaces	S	115. Auxiliary Hoist Mounting Bolts	S
82. Door Latch / Lock / Restraint	S	116. Wire Rope Lay on Main Hoist	S
83. Fire Extinguisher 10BC	S	MAIN BOOM	
84. Operators Manual	S	117. Boom Length	
85. All Safety Decals	S	42 - 197 ft	
86. Electrocution Warning	S	118. Lift Cylinder(s)	S
87. Level Indicator	S	119. Telescoping Cylinder(s)	S
88. Horn	S	120. Holding Device / Holding Valves	S
89. Gauges / Light Display	S	121. Hydraulic Hoses	S
90. Crane Function Controls	S	122. Hydraulic Tubing	S
91. Crane Function Controls Identified	S	123. Hydraulic Fittings	S
92. Swing Brake / Lock	S	124. Boom Wear Pads	S
93. Low Boom Warning	S	125. Boom Section Alignment	S
POWER PLANT (UPPER)		126. Condition of Sheaves	S
94. Engine / Pumps Performance	S	127. Hoist Line Retainers / Pins	S
95. Exhaust System / Guards & Insulators	S	128. Condition of Boom Structure	S
96. Belts / Pulleys	S	129. Condition of Boom Head	S



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Item	Condition	Item	Condition
LATTICE BOOM EXTENSION		155. Capacity Marking	S
130. Condition of Main Chords and Lacing	S	156. Weight Marking	S
131. Condition of Mounting Pins / Keepers	S	157. Sheave(s)	S
132. End Connection / Attachment Points	S	158. Safety Latch	S
133. Condition of Sheaves	S	159. 0 Degree Hook Bend or Twist	S
134. Stowage Brackets Front / Rear	S	160. 5% Hook Throat Opening or 1/4 inch	S
135. Boom Extension Alignment	S	161. 10% Hook Wear	S
136. Wire Rope Retainers / Pins	S	162. Bearing	S
137. Condition of Welds	S	163. Pins and Retainers	S
138. Positive Stops	S	164. Reeving	S
139. Length of Jib		165. Wedge Socket / End Fitting	S
35 ft offset		OVERHAUL BALL AND HOOK	
SOLID DESIGN BOOM EXTENSION		INFORMATION	
140. Condition of Boom Extension	S	166. Manufacturer	
141. Condition of Mounting Pins / Keepers	S	LIEBHERR	
142. End Connection / Attachment Points	S	167. Serial Number	
143. Condition of Sheaves	S	914231008-E	
144. Stowage Brackets Front / Rear	S	168. Rated Capacity	
145. Boom Extension Alignment	S	10 mt	
146. Wire Rope Retainers / Pins	S	169. Ball Weight	
147. Condition of Welds	S	250 kg	
148. Positive Stops	S	ITEM	
149. Length of Jib		170. Capacity Marking	S
27 ft SAW		171. Weight Marking	S
LOAD BLOCK AND HOOK		172. Safety Latch	S
INFORMATION		173. 0 Degree Hook Bend or Twist	S
150. Manufacturer		174. 5% Hook Throat Opening or 1/4	S
LIEBHERR		175. 10% Hook Wear	S
151. Serial Number		176. Bearing	S
616124908-E		OTHER NOTES	
152. Rated Capacity		177.	
30 mt		stowed on crane	
153. Block Weight		MAIN HOIST WIRE ROPE	
450 kg		INFORMATION	
154. Hook Tram Measurement		178. Damage	S
duplex		179. Wear	S
ITEM			



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Item	Condition	Item	Condition
180. Broken Wires	S		
181. Lubrication	S		



Image 1





Image 2





Notes

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Explanation

164: ITEM - Reeving: 2 parts

8: GENERAL CONDITION - External Lights: LMI lights

69: OPERATIONAL AIDS - Boom Angle Indicator: accuracy confirmed with a digital level

73: OPERATIONAL AIDS - Load Moment Indicator: LMI functions as designed

74: OPERATIONAL AIDS - Load Radius Indicator: accuracy confirmed with a tape measure

75: OPERATIONAL AIDS - Load Weight Indicator: accuracy acceptable with a known weight



Annual Certification

This is to certify that the unit described below received an
TELESCOPING BOOM CRANE-ANNUAL
in accordance with

OSHA 1926.1400, 1910.180,1926.601 ASME B30.5,B30.1

Equipment Owner: SHERMAN CRANE

Model No.: LTM-1130-5.1

Equipment Make: LIEBHERR

Serial No.: 066-511

Equipment Type: TELESCOPING BOOM CRANE

Unit Id: 181

Inspection ID: : 88.577.1592825730

Inspected on this: 17th (Wednesday) day of June, 2020

by: Enso Crane Services

P.O. Box 671 03821 Dover(NH)

603-781-7795

<http://www.ensocrane.com>



This Certificate Expires One Year From The Date of Inspection Above