



Inspection Report: TELESCOPING BOOM CRANE-ANNUAL

OSHA/ANSI/ASME Standards: OSHA 1926.1400, 1910.180,1926.601 ASME B30.5,B30.10

Date Inspected: 06/20/2019

Operation Hours: 1,954. upper

Operation Miles: 21,957.

Inspector: Steve Marquis

Inspection ID: 88.577.1561338171

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	305,000 lbs		
Main Hoist Rope Diameter	21 mm		
Main Hoist Rope Type	rotation resistant		

Did the unit pass the inspection?

Yes
 No

Do you want to attach an annual certification to this unit?

Yes
 No

Unit Location at Time of Inspection: Wilmington, MA

GPS Tag:

Inspector



Steve Marquis





Inspection Details

Type of Inspection: TELESCOPING BOOM CRANE-ANNUAL		Inspection ID: 88.577.1561338171	
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		POWER PLANT (UPPER)	
66. Correct Capacity Chart for Crane	S	98. Engine / Pumps Performance	S
67. Legible / Durable	S	99. Exhaust System / Guards & Insulators	S
68. Secured / Accessible to Operator	S	100. Belts / Pulleys	S
OPERATIONAL AIDS		101. Hoses	S
69. Boom Angle Indicator	S	102. Guards / Covers for Rotating Parts	S
70. Boom Length Indicator	S	103. Engine Oil Level	S
71. Anti Two Block / Device / Warning	S	104. Transmission Oil Level	S
72. LMI Make & Model		105. Coolant Level	S
LICCON II		106. Leaks	S
73. Load Moment Indicator	S	ROTATING SUPERSTRUCTURE	
74. Load Radius Indicator	S	107. Turntable / All Structural Welds	S
75. Load Weight Indicator	S	108. Turntable Mounting Bolts	S
76. Main Hoist / Winch Rotation Indicator	S	109. Directional Control Valves	S
OPERATORS CAB / STATION		110. Hydraulic Hoses	S
77. Glass / Safety Type	S	111. Hydraulic Tubing	S
78. Windshield Wipers / Washers	S	112. Hydraulic Fittings	S
79. Cab Access / Steps / Ladders	S	113. Hydraulic Pressure / Relief Valves	S
80. Hand holds / Guardrails	S	114. Electrical Wiring	S
81. Anti Slip Walking Surfaces	S	115. Swing / Slew Gearbox	S
82. Door Latch / Lock / Restraint	S	116. Slewing / Rotation Bearing	S
83. Fire Extinguisher 10BC	S	117. Counterweight / Welds / Attachment Area	S
84. Operators Manual	S	118. Safety / Warning Labels	S
85. All Safety Decals	S	119. Main Hoist mounting Bolts	S
86. Electrocution Warning	S	120. Auxiliary Hoist Mounting Bolts	S
87. Level Indicator	S	121. Wire Rope Lay on Main Hoist	S
88. Horn	S	MAIN BOOM	
89. Gauges / Light Display	S	122. Boom Length	
90. Crane Function Controls	S	41 - 196 ft	
91. Crane Function Controls Identified	S	123. Lift Cylinder(s)	S
92. Swing Brake / Lock	S	124. Telescoping Cylinder(s)	S
93. Travel Brakes	S	125. Holding Device / Holding Valves	S
94. Travel Mechanism	S	126. Hydraulic Hoses	S
95. Travel Controls	S	127. Hydraulic Tubing	S
96. Park Brake	S	128. Hydraulic Fittings	S
97. Low Boom Warning	S	129. Boom Wear Pads	S



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Item	Condition	Item	Condition
130. Boom Section Alignment	S	159. Block Weight	
131. Equal Extension / Boom Sequence	S	450 kg	
132. Condition of Sheaves	S	160. Hook Tram Measurement	
133. Hoist Line Retainers / Pins	S	n/a	
134. Condition of Boom Structure	S	ITEM	
135. Condition of Boom Head	S	161. Capacity Marking	S
LATTICE BOOM EXTENSION		162. Weight Marking	S
136. Condition of Main Chords and Lacings	S	163. Sheave(s)	S
137. Condition of Mounting Pins / Keepers	S	164. Safety Latch	S
138. End Connection / Attachment Points	S	165. 0 Degree Hook Bend or Twist	S
139. Condition of Sheaves	S	166. 5% Hook Throat Opening or 1/4 inch	S
140. Stowage Brackets Front / Rear	S	167. 10% Hook Wear	S
141. Boom Extension Alignment	S	168. Bearing	S
142. Wire Rope Retainers / Pins	S	169. Pins and Retainers	S
143. Condition of Welds	S	170. Reeving	S
144. Positive Stops	S	171. Wedge Socket / End Fitting	S
145. Length of Jib		OVERHAUL BALL AND HOOK	
35 ft offset		INFORMATION	
SOLID DESIGN BOOM EXTENSION		172. Manufacturer	
146. Condition of Boom Extension	S	LIEBHERR	
147. Condition of Mounting Pins / Keepers	S	173. Serial Number	
148. End Connection / Attachment Points	S	914231008-E	
149. Condition of Sheaves	S	174. Rated Capacity	
150. Stowage Brackets Front / Rear	S	10 mt	
151. Boom Extension Alignment	S	175. Ball Weight	
152. Wire Rope Retainers / Pins	S	250 kg	
153. Condition of Welds	S	176. Hook Tram Measurement	
154. Positive Stops	S	n/a	
155. Length of Jib		ITEM	
27 ft SAW		177. Capacity Marking	S
LOAD BLOCK AND HOOK		178. Weight Marking	S
INFORMATION		179. Safety Latch	S
156. Manufacturer		180. 0 Degree Hook Bend or Twist	S
LIEBHERR		181. 5% Hook Throat Opening or 1/4	S
157. Serial Number		182. 10% Hook Wear	S
916124908-E		183. Bearing	S
158. Rated Capacity			
30 mt			



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OTHER NOTES

184.

stowed on crane

MAIN HOIST WIRE ROPE

INFORMATION

185. Damage	S
186. Wear	S
187. Broken Wires	S
188. Lubrication	S



Image 1

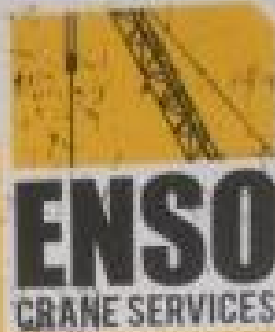




Image 2

BOSTON, MA PORTLAND, ME PORTLAND, ME
P 603 781 7795

CERTIFICATION OF INSPECTION



INSPECTION DATE 6.20.19

MODEL LTM-1130-5.1

SERIAL NO 066-511

INSPECTION STANDARD 1926.1400

WWW.ENSOCRANE.COM

CRANE INSPECTIONS, ENGINEERING, & SAFETY TRAINING



Notes

Inspection ID:88.577.1561338171

Explanation

170: 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: : 88.577.1561338171

Inspected on this: 20th (Thursday) day of June, 2019

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