



Inspection Report: TELESCOPING BOOM CRANE-ANNUAL

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

Date Inspected: 06/03/2022

Operation Hours: 3,014. upr eng

Operation Miles: 33,327.

Inspector: Steve Marquis

Inspection ID: 88.577.1654380597

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	see OEM load capacity chart for configuration		
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?

☒ Yes
☐ No

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

☒ Yes
☐ No

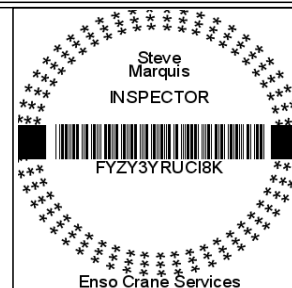
Unit Location at Time of Inspection: Wilmington, MA

GPS Tag: GPS COORDINATES UNAVAILABLE!

Inspector



Steve Marquis





Inspection Details

Type of Inspection: TELESCOPING BOOM CRANE-ANNUAL

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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. Transmission Oil Level	S
OPERATIONAL AIDS		101. Coolant Level	S
69. Boom Angle Indicator	S	102. Leaks	S
70. Boom Length Indicator	S	ROTATING SUPERSTRUCTURE	
71. Anti Two Block / Device / Warning	S	103. Turntable / All Structural Welds	S
72. LMI Make & Model		104. Turntable Mounting Bolts	S
LICCON 2		105. Directional Control Valves	S
73. Load Moment Indicator	S	106. Hydraulic Hoses	S
74. Load Radius Indicator	S	107. Hydraulic Tubing	S
75. Load Weight Indicator	S	108. Hydraulic Fittings	S
76. Main Hoist / Winch Rotation Indicator	S	109. Hydraulic Pressure / Relief Valves	S
OPERATORS CAB / STATION		110. Electrical Wiring	S
77. Glass / Safety Type	S	111. Swing / Slew Gearbox	S
78. Windshield Wipers / Washers	S	112. Slewing / Rotation Bearing	S
79. Cab Access / Steps / Ladders	S	113. Counterweight / Welds / Attachment Area	S
80. Hand holds / Guardrails	S	114. Safety / Warning Labels	S
81. Anti Slip Walking Surfaces	S	115. Main 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 Lacings	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	OTHER NOTES	
139. Length of Jib		164.	
35 ft offset		stowed on crane	
SOLID DESIGN BOOM EXTENSION		OVERHAUL BALL AND HOOK	
140. Condition of Boom Extension	S	INFORMATION	
141. Condition of Mounting Pins / Keepers	S	165. Manufacturer	
142. End Connection / Attachment Points	S	LIEBHERR	
143. Condition of Sheaves	S	166. Serial Number	
144. Stowage Brackets Front / Rear	S	066-511	
145. Boom Extension Alignment	S	167. Rated Capacity	
146. Wire Rope Retainers / Pins	S	10 mt	
147. Condition of Welds	S	168. Ball Weight	
148. Positive Stops	S	250 kg	
149. Length of Jib		169. Hook Tram Measurement	
27 ft bi-fold			
LOAD BLOCK AND HOOK		ITEM	
INFORMATION		170. Capacity Marking	S
150. Manufacturer		171. Weight Marking	S
LIEBHERR		172. Safety Latch	S
151. Serial Number		173. 0 Degree Hook Bend or Twist	S
066-511		174. 5% Hook Throat Opening or 1/4	S
152. Rated Capacity		175. 10% Hook Wear	S
30 mt		176. Bearing	S
153. Block Weight		177. Wedge Socket / End Fitting	S
450 kg		MAIN HOIST WIRE ROPE	
154. Hook Tram Measurement		INFORMATION	
		178. Damage	S
ITEM			



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



Image 1





Image 2

BOSTON, MA PORTSMOUTH, NH PORTLAND, ME

P 603 781 7795

CERTIFICATION OF INSPECTION



INSPECTION DATE

6.3.22

MODEL

LTM-1130-5.1

SERIAL NO

066-511

INSPECTION STANDARD

1926.1400

WWW.ENSOCRANE.COM

CRANE INSPECTIONS, ENGINEERING, & SAFETY TRAINING



Notes

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Explanation

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: : 88.577.1654380597

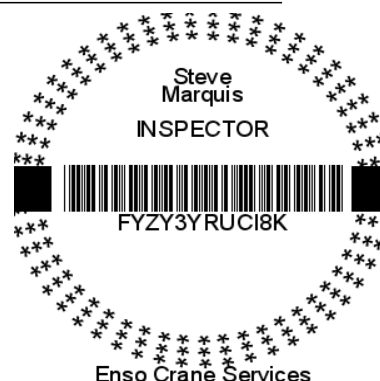
Inspected on this: 3rd (Friday) day of June, 2022

by: Enso Crane Services

23 Orchard Drive 03824 Durham(NH)

(603) 781-7795

<http://www.ensocrane.co>



This Certificate Expires One Year From The Date of Inspection Above