



# Inspection Report: TELESCOPING BOOM CRANE-ANNUAL

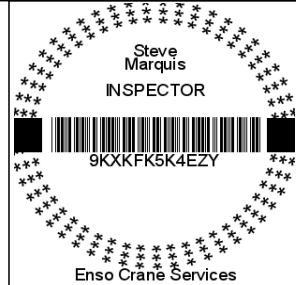
OSHA/ANSI/ASME Standards: OSHA 1926.1400, 1910.180, 1926.601 ASME B30.5, B30.10  
 Date Inspected: 06/02/2022                      Operation Hours: 4,106. upr                      Operation Miles: 51,531.  
 Inspector: Steve Marquis    Inspection ID: 88.577.1654380431

## Equipment Identification and Specifications

<b>Name and Address of Owner</b>	SHERMAN CRANE; 140 West Street , Wilmington MA 01887 USA		
<b>Serial Number</b>	085-244	<b>Unit Number:</b>	C-164
<b>Year</b>	2013	<b>Manufacturer</b>	LIEBHERR
<b>Model</b>	LTM 1055-3.2		
<b>Max Capacity</b>	see OEM load capacity chart for configuration		
<b>Main Hoist Rope Length</b>	722 ft		
<b>Main Hoist Rope Diameter</b>	15 mm		
<b>Main Hoist Rope Type</b>	rotation resistant		
<b>Aux Hoist Rope Length</b>	722 ft		
<b>Aux Hoist Rope Diameter</b>	15 mm		
<b>Aux Hoist Rope Type</b>	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: GPS COORDINATES UNAVAILABLE!

Inspector    Steve Marquis	
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## Inspection Details

Type of Inspection: TELESCOPING BOOM CRANE-ANNUAL

Inspection ID: 88.577.1654380431

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

Item	Condition	Item	Condition
<b>TELESCOPING BOOM CRANE-ANNUAL</b>		32. Fire Extinguisher	S
<b>CRANE DATA</b>		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
<b>GENERAL CONDITION</b>		38. Horn	S
5. Sheet Metal	S	39. Accelerator	S
6. Paint Condition / Corrosion Control	S	40. Operators Manual	S
7. Guards / Covers	S	<b>CARRIER / DRIVETRAIN COMPONENTS</b>	
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
<b>POWER PLANT (LOWER)</b>		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	<b>OUTRIGGERS</b>	
<b>DRIVERS CAB / STATION (LOWER)</b>		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
<b>RATED CAPACITY CHART</b>		97. Directional Control Valves	S
66. Correct Capacity Chart for Crane	S	98. Hydraulic Hoses	S
67. Legible / Durable	S	99. Hydraulic Tubing	S
68. Secured / Accessible to Operator	S	100. Hydraulic Fittings	S
<b>OPERATIONAL AIDS</b>		101. Hydraulic Pressure / Relief Valves	S
69. Boom Angle Indicator	S	102. Electric Swivel / Collector Ring	S
70. Boom Length Indicator	S	103. Electrical Wiring	S
71. Anti Two Block / Device / Warning	S	104. Swing / Slew Gearbox	S
72. LMI Make & Model		105. Slewing / Rotation Bearing	S
<b>LICCON 2</b>		106. Counterweight / Welds / Attachment Area	S
73. Load Moment Indicator	S	107. Safety / Warning Labels	S
74. Load Radius Indicator	S	108. Main Hoist mounting Bolts	S
75. Load Weight Indicator	S	109. Auxiliary Hoist Mounting Bolts	S
76. Main Hoist / Winch Rotation Indicator	S	110. Wire Rope Lay on Main Hoist	S
<b>OPERATORS CAB / STATION</b>		<b>MAIN BOOM</b>	
77. Glass / Safety Type	S	111. Boom Length	
78. Windshield Wipers / Washers	S	33 - 131 ft	
79. Cab Access / Steps / Ladders	S	112. Lift Cylinder(s)	S
80. Hand holds / Guardrails	S	113. Telescoping Cylinder(s)	S
81. Anti Slip Walking Surfaces	S	114. Holding Device / Holding Valves	S
82. Door Latch / Lock / Restraint	S	115. Hydraulic Hoses	S
83. Fire Extinguisher 10BC	S	116. Hydraulic Tubing	S
84. Operators Manual	S	117. Hydraulic Fittings	S
85. All Safety Decals	S	118. Boom Wear Pads	S
86. Electrocution Warning	S	119. Boom Section Alignment	S
87. Level Indicator	S	120. Condition of Sheaves	S
88. Horn	S	121. Hoist Line Retainers / Pins	S
89. Gauges / Light Display	S	122. Condition of Boom Structure	S
90. Crane Function Controls	S	123. Condition of Boom Head	S
91. Crane Function Controls Identified	S	124. Condition of Auxiliary Boom Head / Rooster	S
92. Swing Brake / Lock	S	<b>LATTICE BOOM EXTENSION</b>	
93. Low Boom Warning	S	125. Condition of Main Chords and Lacings	S
<b>ROTATING SUPERSTRUCTURE</b>		126. Condition of Mounting Pins / Keepers	S
94. Turntable / All Structural Welds	S	127. End Connection / Attachment Points	S
95. Turntable Mounting Bolts	S	128. Condition of Sheaves	S
96. Hydraulic Swivel	S	129. Stowage Brackets Front / Rear	S



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Item	Condition	Item	Condition
130. Boom Extension Alignment	S	155. 5% Hook Throat Opening or 1/4 inch	S
131. Wire Rope Retainers / Pins	S	156. 10% Hook Wear	S
132. Condition of Welds	S	157. Bearing	S
133. Positive Stops	S	158. Pins and Retainers	S
134. Length of Jib		159. Reeving	S
31 ft offset		160. Wedge Socket / End Fitting	S
<b>SOLID DESIGN BOOM EXTENSION</b>		<b>OVERHAUL BALL AND HOOK</b>	
135. Condition of Boom Extension	S	<b>INFORMATION</b>	
136. Condition of Mounting Pins / Keepers	S	161. Manufacturer	
137. End Connection / Attachment Points	S	LIEBHERR	
138. Condition of Sheaves	S	162. Serial Number	
139. Stowage Brackets Front / Rear	S	085-244	
140. Boom Extension Alignment	S	163. Rated Capacity	
141. Wire Rope Retainers / Pins	S	6 mt	
142. Condition of Welds	S	164. Ball Weight	
143. Positive Stops	S	75 kg	
144. Length of Jib		165. Hook Tram Measurement	
21 ft bi-fold			
<b>LOAD BLOCK AND HOOK</b>		<b>ITEM</b>	
<b>INFORMATION</b>		166. Capacity Marking	S
145. Manufacturer		167. Weight Marking	S
LIEBHERR		168. Safety Latch	S
146. Serial Number		169. 0 Degree Hook Bend or Twist	S
085-244		170. 5% Hook Throat Opening or 1/4	S
147. Rated Capacity		171. 10% Hook Wear	S
16 mt		172. Bearing	S
148. Block Weight		<b>OTHER NOTES</b>	
195 kg		173.	
149. Hook Tram Measurement		stowed on crane	
		<b>MAIN HOIST WIRE ROPE</b>	
<b>ITEM</b>		<b>INFORMATION</b>	
150. Capacity Marking	S	174. Damage	S
151. Weight Marking	S	175. Wear	S
152. Sheave(s)	S	176. Broken Wires	S
153. Safety Latch	S	177. Lubrication	S
154. 0 Degree Hook Bend or Twist	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-1055-3.2

SERIAL NO

085-244

INSPECTION STANDARD

1926.1400

[WWW.ENSOCRANE.COM](http://WWW.ENSOCRANE.COM)

CRANE INSPECTIONS, ENGINEERING, & SAFETY TRAINING



## Notes

**Inspection ID:88.577.1654380431**

Explanation

159: 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 1055-3.2

Equipment Make: LIEBHERR

Serial No.: 085-244

Equipment Type: TELESCOPING BOOM CRANE

Unit Id: C-164

Inspection ID: : 88.577.1654380431

Inspected on this: 2nd (Thursday) 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**