



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: 3,317. upper

Operation Miles: 39,923.

Inspector: Steve Marquis

Inspection ID: 88.577.1592825592

Equipment Identification and Specifications

Name and Address of Owner	SHERMAN CRANE; 140 West Street , Wilmington MA 01887 USA		
Serial Number	085-244	Unit Number:	C-164
Year	2013	Manufacturer	LIEBHERR
Model	LTM 1055-3.2		
Max Capacity	121,300 lbs		
Main Hoist Rope Length	722 ft		
Main Hoist Rope Diameter	15 mm		
Main Hoist Rope Type	rotation resistant		
Aux Hoist Rope Length	722 ft		
Aux Hoist Rope Diameter	15 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

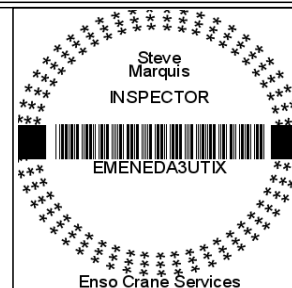
Unit Location at Time of Inspection: Wilmington, MA

GPS Tag:

Inspector



Steve Marquis





Inspection Details

Type of Inspection: TELESCOPING BOOM CRANE-ANNUAL

Inspection ID: 88.577.1592825592

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. 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
OPERATIONAL AIDS		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
LICCON 2		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
OPERATORS CAB / STATION		MAIN BOOM	
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	LATTICE BOOM EXTENSION	
93. Low Boom Warning	S	125. Condition of Main Chords and Lacings	S
ROTATING SUPERSTRUCTURE		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	156. Bearing	S
131. Wire Rope Retainers / Pins	S	157. Pins and Retainers	S
132. Condition of Welds	S	158. Reeving	S
133. Positive Stops	S	159. Wedge Socket / End Fitting	S
134. Length of Jib		OVERHAUL BALL AND HOOK	
31 ft offset		INFORMATION	
SOLID DESIGN BOOM EXTENSION		160. Manufacturer	
135. Condition of Boom Extension	S	LIEBHERR	
136. Condition of Mounting Pins / Keepers	S	161. Serial Number	
137. End Connection / Attachment Points	S	910541508-E	
138. Condition of Sheaves	S	162. Rated Capacity	
139. Stowage Brackets Front / Rear	S	6 mt	
140. Boom Extension Alignment	S	163. Ball Weight	
141. Wire Rope Retainers / Pins	S	75 kg	
142. Condition of Welds	S	ITEM	
143. Positive Stops	S	164. Capacity Marking	S
144. Length of Jib		165. Weight Marking	S
21 ft SAW		166. Safety Latch	S
LOAD BLOCK AND HOOK		167. 0 Degree Hook Bend or Twist	S
INFORMATION		168. 5% Hook Throat Opening or 1/4	S
145. Manufacturer		169. 10% Hook Wear	S
LIEBHERR		170. Bearing	S
146. Serial Number		OTHER NOTES	
330710-01		171.	
147. Rated Capacity		stowed on crane	
16 mt		MAIN HOIST WIRE ROPE	
148. Block Weight		INFORMATION	
195 kg		172. Damage	S
ITEM		173. Wear	S
149. Capacity Marking	S	174. Broken Wires	S
150. Weight Marking	S	175. Lubrication	S
151. Sheave(s)	S		
152. Safety Latch	S		
153. 0 Degree Hook Bend or Twist	S		
154. 5% Hook Throat Opening or 1/4 inch	S		
155. 10% Hook Wear	S		



Image 1





Image 2

603-781-7795

CERTIFICATION OF INSPECTION

ENSO
CRANE SERVICES

INSPECTION DATE 6.17.20

MODEL LTM-1055-3.2

SERIAL NO 085-244

INSPECTION STANDARD 1926.1400

WWW.ENSOCRANE.COM

CRANE INSPECTIONS, ENGINEERING, & SAFETY TRAINING



Notes

Inspection ID:88.577.1592825592

Explanation

158: 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: : 88.577.1592825592

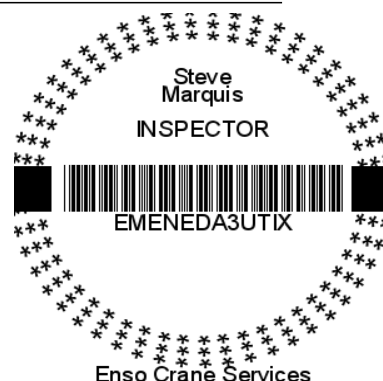
Inspected on this: 17th (Wednesday) day of June, 2020

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