



Inspection Report: TELESCOPING BOOM CRANE-ANNUAL

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

Date Inspected: 06/15/2021

Operation Hours: 4,313. upper

Operation Miles: 43,534.

Inspector: Steve Marquis

Inspection ID: 88.577.1623807397

Equipment Identification and Specifications

Name and Address of Owner	SHERMAN CRANE; 140 West Street , Wilmington MA 01887 USA		
Serial Number	085-403	Unit Number:	C-206
Year	2015	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

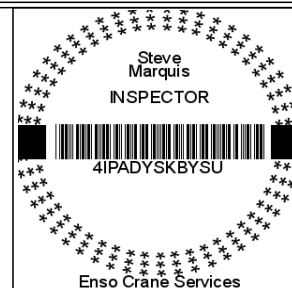
Unit Location at Time of Inspection: Wilmington, MA

GPS Tag: 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. 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	LOAD BLOCK AND HOOK	
93. Low Boom Warning	S	INFORMATION	
ROTATING SUPERSTRUCTURE		125. Manufacturer	
94. Turntable / All Structural Welds	S	LIEBHERR	
95. Turntable Mounting Bolts	S	126. Serial Number	
96. Hydraulic Swivel	S	085-403	
		127. Rated Capacity	
		32 mt	



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Item	Condition	Item	Condition
128. Block Weight		MAIN HOIST WIRE ROPE	
280 kg		INFORMATION	
129. Hook Tram Measurement		152. Damage	S
duplex		153. Wear	S
ITEM		154. Broken Wires	S
130. Capacity Marking	S	155. Lubrication	S
131. Weight Marking	S		
132. Sheave(s)	S		
133. Safety Latch	S		
134. 0 Degree Hook Bend or Twist	S		
135. 5% Hook Throat Opening or 1/4 inch	S		
136. 10% Hook Wear	S		
137. Bearing	S		
138. Pins and Retainers	S		
OTHER NOTES			
139.			
stowed on crane			
OVERHAUL BALL AND HOOK			
INFORMATION			
140. Manufacturer			
LIEBHERR			
141. Serial Number			
085-403			
142. Rated Capacity			
16 mt			
143. Ball Weight			
195 kg			
ITEM			
144. Capacity Marking	S		
145. Weight Marking	S		
146. Safety Latch	S		
147. 0 Degree Hook Bend or Twist	S		
148. 5% Hook Throat Opening or 1/4	S		
149. 10% Hook Wear	S		
150. Bearing	S		
151. Wedge Socket / End Fitting	S		



Image 1

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

CERTIFICATION OF INSPECTION

ENSO
CRANE SERVICES

INSPECTION DATE 6.15.21

MODEL LTM-1055-3.2

SERIAL NO 085-403

INSPECTION STANDARD 1926.1400

WWW.ENSOCRANE.COM

CRANE INSPECTIONS, ENGINEERING, & SAFETY TRAINING



Notes

Inspection ID:88.577.1623807397

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-1055-3.2

Equipment Make: LIEBHERR

Serial No.: 085-403

Equipment Type: TELESCOPING BOOM CRANE

Unit Id: C-206

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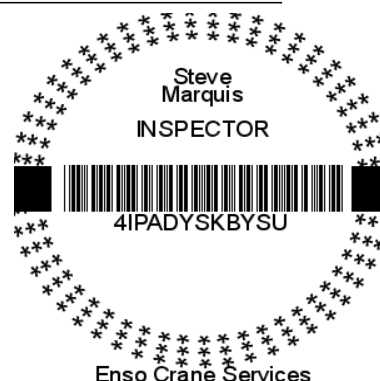
Inspected on this: 15th (Tuesday) day of June, 2021

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