



Inspection Report: TELESCOPING BOOM CRANE-ANNUAL

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

Date Inspected: 07/09/2018

Operation Hours: 2,811.

Operation Miles: 30,154.

Inspector: Steve Marquis

Inspection ID: 88.577.1531333298

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	130,000 lbs		
Main Hoist Rope Length	689 ft		
Main Hoist Rope Diameter	15 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

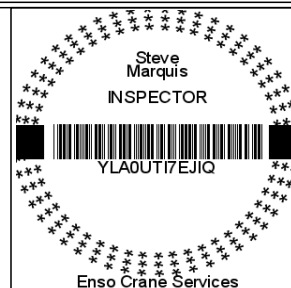
Unit Location at Time of Inspection: Wilmington, MA

GPS Tag:

Inspector



Steve Marquis





Inspection Details

Type of Inspection: TELESCOPING BOOM CRANE-ANNUAL

Inspection ID: 88.577.1531333298

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

Item	Condition	Item	Condition
TELESCOPING BOOM CRANE-ANNUAL		32. Steering	S
CRANE DATA		33. Fire Extinguisher	S
1. Inspection Records Daily / Monthly / Annual	S	34. Gauges / Light Display	S
2. Maintenance Records	S	35. Access / Grab Rails / Steps	S
3. Load Test Records	S	36. Mirrors	S
4. Wire Rope Inspection Records	S	37. Power Take-Off	S
5. Ground Conditions	S	38. Air Pressure	S
GENERAL CONDITION		39. Horn	S
6. Sheet Metal	S	40. Accelerator	S
7. Paint Condition / Corrosion Control	S	41. Operators Manual	S
8. Guards / Covers	S	CARRIER / DRIVETRAIN COMPONENTS	
9. External Lights	S	42. Engine Mounts / Bolts	S
10. Housekeeping	S	43. Transmission Mounts / Bolts	S
11. Warning / Safety Labels	S	44. Drive Line	S
12. OSHA Approved Hand Signal Chart (outside)	S	45. U-Joints	S
POWER PLANT (LOWER)		46. Main Frame Members	S
13. Engine / Pumps Performance	S	47. Axle Mounts	S
14. Exhaust System / Guards & Insulators	S	48. Hydraulic Hoses	S
15. Belts / Pulleys	S	49. Hydraulic Tubing	S
16. Hoses	S	50. Hydraulic Fittings	S
17. Compressor Performance	S	51. Hydraulic Fluid Level	S
18. Guards / Covers for Rotating Parts	S	52. Axle Lockout System	S
19. Engine Oil Level	S	53. Differential Breathers	S
20. Transmission Oil Level	S	54. Tires / Wheels Condition	S
21. Coolant Level	S	55. Tire Inflation Pressure	S
22. Leaks	S	OUTRIGGERS	
DRIVERS CAB / STATION (LOWER)		56. Boxes	S
23. Brakes Service / Parking	S	57. Beams	S
24. Headlights / Trail Lights	S	58. Cylinders / Extensions & Stabilizers	S
25. Brake Lights / Turn Signals	S	59. Floats / Pads	S
26. Back-up Alarm / Lights	S	60. Hydraulic Hoses	S
27. Audible Warning (low air)	S	61. Hydraulic Tubing	S
28. Glass	S	62. Hydraulic Fittings	S
29. Windshield Wipers	S	63. Pilot Operated Check Valves	S
30. Heater / Defroster	S	64. Positive Position Locks	S
31. Seat Belts	S	65. Decals / Warning Labels	S



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Item	Condition	Item	Condition
66. Beam Marking	S	98. Low Boom Warning	S
RATED CAPACITY CHART		ROTATING SUPERSTRUCTURE	
67. Correct Capacity Chart for Crane	S	99. Turntable / All Structural Welds	S
68. Legible / Durable	S	100. Turntable Mounting Bolts	S
69. Secured / Accessible to Operator	S	101. Hydraulic Swivel	S
OPERATIONAL AIDS		102. Directional Control Valves	S
70. Boom Angle Indicator	S	103. Hydraulic Hoses	S
71. Boom Length Indicator	S	104. Hydraulic Tubing	S
72. Anti Two Block / Device / Warning	S	105. Hydraulic Fittings	S
73. LMI Make & Model		106. Hydraulic Pressure / Relief Valves	S
LICCON		107. Electric Swivel / Collector Ring	S
74. Load Moment Indicator	S	108. Electrical Wiring	S
75. Load Radius Indicator	S	109. Swing / Slew Gearbox	S
76. Load Weight Indicator	S	110. Slewing / Rotation Bearing	S
77. Main Hoist / Winch Rotation Indicator	S	111. Counterweight / Welds / Attachment Area	S
OPERATORS CAB / STATION		112. Safety / Warning Labels	S
78. Glass / Safety Type	S	113. Main Hoist mounting Bolts	S
79. Windshield Wipers / Washers	S	114. Wire Rope Lay on Main Hoist	S
80. Cab Access / Steps / Ladders	S	MAIN BOOM	
81. Hand holds / Guardrails	S	115. Boom Length	
82. Anti Slip Walking Surfaces	S	33 - 131 feet	
83. Door Latch / Lock / Restraint	S	116. Lift Cylinder(s)	S
84. Fire Extinguisher 10BC	S	117. Telescoping Cylinder(s)	S
85. Operators Manual	S	118. Holding Device / Holding Valves	S
86. All Safety Decals	S	119. Hydraulic Hoses	S
87. Electrocution Warning	S	120. Hydraulic Tubing	S
88. Level Indicator	S	121. Hydraulic Fittings	S
89. Horn	S	122. Boom Wear Pads	S
90. Gauges / Light Display	S	123. Boom Section Alignment	S
91. Crane Function Controls	S	124. Equal Extension / Boom Sequence	S
92. Crane Function Controls Identified	S	125. Condition of Sheaves	S
93. Swing Brake / Lock	S	126. Hoist Line Retainers / Pins	S
94. Travel Brakes	S	127. Condition of Boom Structure	S
95. Travel Mechanism	S	128. Condition of Boom Head	S
96. Travel Controls	S	LOAD BLOCK AND HOOK	
97. Park Brake	S	INFORMATION	



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Item	Condition	Item	Condition
129. Manufacturer		151. 5% Hook Throat Opening or 1/4	S
LIEBHERR		152. 10% Hook Wear	S
130. Serial Number		153. Bearing	S
342028-01		154. Wedge Socket / End Fitting	S
131. Rated Capacity		MAIN HOIST WIRE ROPE	
32 mt		INFORMATION	
132. Block Weight		155. Damage	S
280 kg		156. Wear	S
ITEM		157. Broken Wires	S
133. Capacity Marking	S	158. Lubrication	S
134. Weight Marking	S		
135. Sheave(s)	S		
136. Safety Latch	S		
137. 0 Degree Hook Bend or Twist	S		
138. 5% Hook Throat Opening or 1/4 inch	S		
139. 10% Hook Wear	S		
140. Bearing	S		
141. Pins and Retainers	S		
OTHER NOTES			
142.			
stored in yard			
OVERHAUL BALL AND HOOK			
INFORMATION			
143. Manufacturer			
LIEBHERR			
144. Serial Number			
360498-01			
145. Rated Capacity			
16 mt			
146. Ball Weight			
195 kg			
ITEM			
147. Capacity Marking	S		
148. Weight Marking	S		
149. Safety Latch	S		
150. 0 Degree Hook Bend or Twist	S		



Image 1





Image 2

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

CERTIFICATION OF INSPECTION

ENSO
CRANE SERVICES

DATE 7.9.18 CAPACITY see chart

MODEL LTM-1055-3.2

SERIAL NO 085-403

INSPECTION STANDARD 1926.1400

WWW.ENSOCRANE.COM

CRANE INSPECTIONS, ENGINEERING, & SAFETY TRAINING



Notes

Inspection ID:88.577.1531333298

Explanation

70: OPERATIONAL AIDS - Boom Angle Indicator: accuracy confirmed with a digital level

74: OPERATIONAL AIDS - Load Moment Indicator: LMI functioned as designed, safely disabled the crane at the correct radius with a known weight

75: OPERATIONAL AIDS - Load Radius Indicator: accuracy confirmed with a tape measure

76: 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

Inspection ID: : 88.577.1531333298

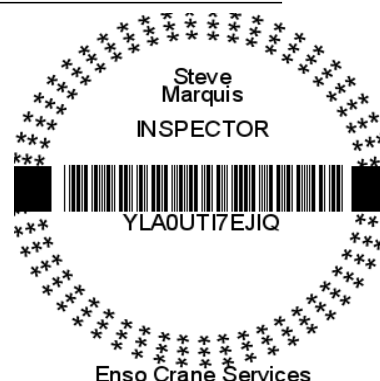
Inspected on this: 9th (Monday) day of July, 2018

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