



Inspection Report: TELESCOPING BOOM CRANE-ANNUAL

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

Date Inspected: 07/01/2019

Operation Hours: 3,312. upper eng

Operation Miles: 33,915.

Inspector: Steve Marquis

Inspection ID: 88.577.1562032298

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: 88.577.1562032298	
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		POWER PLANT (UPPER)	
66. Correct Capacity Chart for Crane	S	98. Engine / Pumps Performance	S
67. Legible / Durable	S	99. Exhaust System / Guards & Insulators	S
68. Secured / Accessible to Operator	S	100. Belts / Pulleys	S
OPERATIONAL AIDS		101. Hoses	S
69. Boom Angle Indicator	S	102. Guards / Covers for Rotating Parts	S
70. Boom Length Indicator	S	103. Engine Oil Level	S
71. Anti Two Block / Device / Warning	S	104. Transmission Oil Level	S
72. LMI Make & Model		105. Coolant Level	S
LICCON II		106. Leaks	S
73. Load Moment Indicator	S	ROTATING SUPERSTRUCTURE	
74. Load Radius Indicator	S	107. Turntable / All Structural Welds	S
75. Load Weight Indicator	S	108. Turntable Mounting Bolts	S
76. Main Hoist / Winch Rotation Indicator	S	109. Directional Control Valves	S
OPERATORS CAB / STATION		110. Hydraulic Hoses	S
77. Glass / Safety Type	S	111. Hydraulic Tubing	S
78. Windshield Wipers / Washers	S	112. Hydraulic Fittings	S
79. Cab Access / Steps / Ladders	S	113. Hydraulic Pressure / Relief Valves	S
80. Hand holds / Guardrails	S	114. Electrical Wiring	S
81. Anti Slip Walking Surfaces	S	115. Swing / Slew Gearbox	S
82. Door Latch / Lock / Restraint	S	116. Slewing / Rotation Bearing	S
83. Fire Extinguisher 10BC	S	117. Counterweight / Welds / Attachment Area	S
84. Operators Manual	S	118. Safety / Warning Labels	S
85. All Safety Decals	S	119. Main Hoist mounting Bolts	S
86. Electrocution Warning	S	120. Auxiliary Hoist Mounting Bolts	S
87. Level Indicator	S	121. Wire Rope Lay on Main Hoist	S
88. Horn	S	MAIN BOOM	
89. Gauges / Light Display	S	122. Boom Length	
90. Crane Function Controls	S	33 - 131 ft	
91. Crane Function Controls Identified	S	123. Lift Cylinder(s)	S
92. Swing Brake / Lock	S	124. Telescoping Cylinder(s)	S
93. Travel Brakes	S	125. Holding Device / Holding Valves	S
94. Travel Mechanism	S	126. Hydraulic Hoses	S
95. Travel Controls	S	127. Hydraulic Tubing	S
96. Park Brake	S	128. Hydraulic Fittings	S
97. Low Boom Warning	S	129. Boom Wear Pads	S



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Item	Condition	Item	Condition
130. Boom Section Alignment	S	155. Ball Weight	
131. Condition of Sheaves	S	195 kg	
132. Hoist Line Retainers / Pins	S	156. Hook Tram Measurement	
133. Condition of Boom Structure	S	n/a	
134. Condition of Boom Head	S	ITEM	
135. Condition of Auxiliary Boom Head / Rooster	S	157. Capacity Marking	S
LOAD BLOCK AND HOOK INFORMATION		158. Weight Marking	S
136. Manufacturer		159. Safety Latch	S
LEIBHERR		160. 0 Degree Hook Bend or Twist	S
137. Serial Number		161. 5% Hook Throat Opening or 1/4	S
342028-01		162. 10% Hook Wear	S
138. Rated Capacity		163. Bearing	S
32 mt		OTHER NOTES	
139. Block Weight		164.	
280 kg		stowed on crane	
140. Hook Tram Measurement		MAIN HOIST WIRE ROPE INFORMATION	
duplex		165. Damage	S
ITEM		166. Wear	S
141. Capacity Marking	S	167. Broken Wires	S
142. Weight Marking	S	168. Lubrication	S
143. Sheave(s)	S		
144. Safety Latch	S		
145. 0 Degree Hook Bend or Twist	S		
146. 5% Hook Throat Opening or 1/4 inch	S		
147. 10% Hook Wear	S		
148. Bearing	S		
149. Pins and Retainers	S		
150. Reeving	S		
151. Wedge Socket / End Fitting	S		
OVERHAUL BALL AND HOOK INFORMATION			
152. Manufacturer			
LEIBHERR			
153. Serial Number			
360498-01			
154. Rated Capacity			
16 mt			



Image 1





Image 2

603 781 7795

CERTIFICATION OF INSPECTION

ENSO
CRANE SERVICES

INSPECTION DATE 7.1.19

MODEL LTM-1055-3.2

SERIAL NO 085-403

INSPECTION STANDARD 1926.1400

WWW.ENSOCRANE.COM

CRANE INSPECTIONS, ENGINEERING, & SAFETY TRAINING



Notes

Inspection ID:88.577.1562032298

Explanation

150: 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

135: MAIN BOOM - Condition of Auxiliary Boom Head / Rooster: stored in yard



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: : 88.577.1562032298

Inspected on this: 1st (Monday) day of July, 2019

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