



Inspection Details

Type of Inspection: TELESCOPING BOOM CRANE-ANNUAL

Inspection ID: 88.577.1623803298

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



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

INSPECTION STANDARD 1926.1400

WWW.ENSOCRANE.COM

CRANE INSPECTIONS, ENGINEERING, & SAFETY TRAINING



Notes

Inspection ID:88.577.1623803298

Explanation

159: ITEM - Reeving: 2 parts

9: GENERAL CONDITION - External Lights: LMI lights

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

74: OPERATIONAL AIDS - Load Moment Indicator: LMI functions as designed

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.: 085-244

Equipment Type: TELESCOPING BOOM CRANE

Unit Id: C-164

Inspection ID: : 88.577.1623803298

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