



Inspection Report: BOOM TRUCK-ANNUAL

OSHA/ANSI/ASME Standards: OSHA 1926.1400, 1910.180,1926.601 ASME B30.5,B30.10
 Date Inspected: 06/20/2019 Operation Hours: 9,345. Operation Miles: 137,544.
 Inspector: Steve Marquis Inspection ID: 88.577.1561341744

Equipment Identification and Specifications

Name and Address of Owner	SHERMAN CRANE; 140 West Street , Wilmington MA 01887 USA		
Serial Number	292447	Unit Number:	C-199
Year	2006	Manufacturer	NATIONAL
Model	9103-A		
Max Capacity	52,000 lbs		
Main Hoist Rope Diameter	9/16		
Main Hoist Rope Type	rotation resistant		

Did the unit pass the inspection?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Do you want to attach an annual certification to this unit?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Unit Location at Time of Inspection: Wilmington, MA
 GPS Tag:

Inspector  Steve Marquis	
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Inspection Details

Type of Inspection: BOOM TRUCK-ANNUAL		Inspection ID: 88.577.1561341744	
S=Satisfactory R=Recommendation D=Deficiency N=Not Applicable			
Item	Condition	Item	Condition
BOOM TRUCK-ANNUAL		32. Tire Inflation Pressure	S
CRANE DATA		DRIVERS CAB	
1. Inspection Records Daily / Monthly / Annual	S	33. Brakes Service / Parking	S
2. Maintenance Records	S	34. Headlights / Tail Lights	S
3. Wire Rope Inspection Records	S	35. Brake Lights / Turn Signals	S
4. Ground Conditions	S	36. Back-up Alarm / Lights	S
GENERAL CONDITION		37. Audible Warning (low air)	S
5. Sheet Metal	S	38. Glass	S
6. Paint Condition / Corrosion Control	S	39. Windshield Wipers	S
7. Guards / Covers	S	40. Defroster / Heater	S
8. Housekeeping	S	41. Seat Belts	S
9. Warning / Safety Labels	S	42. Steering Free Play	S
10. OSHA Approved Hand Signal Chart (outside)	S	43. Fire Extinguisher	S
TRUCK POWER PLANT		44. Gauges / Light Display	S
11. Engine / Pumps Performance	S	45. Access / Grab Rails / Steps	S
12. Exhaust System / Guards & Insulators	S	46. Mirrors	S
13. Belts	S	47. Power Take-Off	S
14. Hoses	S	48. Air Pressure	S
15. Compressor Performance	S	49. Horn	S
16. Guards / Covers for Rotating Parts	S	50. Engine Clutch	S
17. Engine Oil Level	S	51. Accelerator	S
18. Transmission Oil Level	S	52. Operators Manual	S
19. Coolant Level	S	OUTRIGGERS	
20. Leaks	S	53. Outrigger Boxes	S
CARRIER / DRIVETRAIN		54. Outrigger Beams	S
21. Engine Mounts / Bolts	S	55. Outrigger Cylinders / Extensions & Stabilizers	S
22. Transmission Mounts / Bolts	S	56. Outrigger Floats / Pads	S
23. Drive Line	S	57. Outrigger Hydraulic Hoses	S
24. U-Joints	S	58. Outrigger Hydraulic Tubing	S
25. Main Frame Members	S	59. Outrigger Hydraulic Fittings	S
26. Axle Mounts	S	60. Pilot Operated Check Valves	S
27. Carrier Hydraulic Hoses	S	61. Outrigger Crush Warning Labels	S
28. Carrier Hydraulic Tubing	S	ROTATING SUPERSTRUCTURE	
29. Carrier Hydraulic Fittings	S	62. Turntable / All Structural Welds	S
30. Hydraulic Fluid Level	S	63. Turntable Mounting Bolts	S
31. Tire / Wheel Condition	S	64. Directional Control Valves	S



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Item	Condition	Item	Condition
65. Swivel Hydraulic Hoses	S	MAIN BOOM	
66. Swivel Hydraulic Tubing	S	97. Boom Length	
67. Swivel Hydraulic Fittings	S	30 - 103 ft	
68. Hydraulic Pressure / Relief Valves	S	98. Boom Lift Cylinders	S
69. Electrical Wiring	S	99. Boom Telescoping Cylinder(s)	S
70. Swing / Slew Gearbox	S	100. Holding Device / Holding Valves	S
71. Main Hoist Mounting Bolts	S	101. Boom Hydraulic Hoses	S
72. Wire Rope Lay on Main Hoist	S	102. Boom Hydraulic Tubing	S
OPERATORS STATION		103. Boom Hydraulic Fittings	S
73. Cab Access / Steps / Ladders	S	104. Boom Extension / Retraction Cables	S
74. Hand Holds / Guardrails	S	105. Boom Wear Pads	S
75. Anti Slip Surfaces	S	106. Boom Section Alignment	S
76. Fire Extinguisher 10BC	S	107. Equal Extension / Boom Sequence	S
77. Operators Manual	S	108. Condition of Sheaves	S
78. All Safety Decals In Cab	S	109. Hoist Retainers / Keepers	S
79. Electrocution Warning In Cab	S	110. Condition of Boom Structure	S
80. Crane Level Indicator	S	111. Condition of Boom Head	S
81. Horn	S	LOAD BLOCK AND HOOK	
82. Gauges / Light Display	S	INFORMATION	
83. Crane Function Controls Movement	S	112. Manufacturer	
84. Crane Function Controls Identified	S	JOHNSON	
85. Swing Brake / Lock	S	113. Serial Number	
86. Low Boom Warning	S	06-753	
RATED CAPACITY CHART		114. Rated Capacity	
87. Correct Capacity Chart for Crane	S	12.5 UST	
88. Legible / Durable	S	115. Block Weight	
89. Secured / Accessible to Operator	S	304 lbs	
OPERATIONAL AIDS		116. Hook Tram Measurement	
90. Boom Angle Indicator	S	n/a	
91. Boom Length Indicator	S	ITEM	
92. Anti Two Block / Device / Warning	S	117. Capacity Marking	S
93. LMI Make & Model		118. Weight Marking	S
PAT DS-160		119. Sheave(s)	S
94. Load Moment Indicator	S	120. Safety Latch	S
95. Load Radius Indicator	S	121. 0 Degree Hook Bend or Twist	S
96. Load Weight Indicator	S	122. 5% Hook Throat Opening or 1/4 inch	S



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Item	Condition	Item	Condition
123. 10% Hook Wear	S		
124. Bearing	S		
125. Pins and Retainers	S		
126. Reeving	S		
127. Wedge Socket / End Fitting	S		
OVERHAUL BALL AND HOOK INFORMATION			
128. Manufacturer			
NATIONAL			
129. Serial Number			
none			
130. Rated Capacity			
8,400 lbs			
131. Ball Weight			
150 lbs			
132. Hook Tram Measurement			
n/a			
ITEM			
133. Capacity Marking	S		
134. Weight Marking	S		
135. Safety Latch	S		
136. 0 Degree Hook Bend or Twist	S		
137. 5% Hook Throat Opening or 1/4	S		
138. 10% Hook Wear	S		
OTHER NOTES			
139.			
stowed on truck			
MAIN HOIST WIRE ROPE INFORMATION			
140. Damage	S		
141. Wear	S		
142. Broken Wires	S		
143. Lubrication	S		



Image 1





Image 2

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

CERTIFICATION OF INSPECTION

ENSO
CRANE SERVICES

INSPECTION DATE 6.20.19

MODEL 9103-A

SERIAL NO 292447

INSPECTION STANDARD 1926.1400

WWW.ENSOCRANE.COM

CRANE INSPECTIONS, ENGINEERING, & SAFETY TRAINING



Notes

Inspection ID:88.577.1561341744

Explanation

94: OPERATIONAL AIDS - Load Moment Indicator: LMI functions as designed.

95: OPERATIONAL AIDS - Load Radius Indicator: accuracy confirmed with a tapemeasure

96: OPERATIONAL AIDS - Load Weight Indicator: accuracy acceptable with a known weight

126: ITEM - Reeving: 2 parts



Annual Certification

This is to certify that the unit described below received an
BOOM TRUCK-ANNUAL
in accordance with

OSHA 1926.1400, 1910.180,1926.601 ASME B30.5,B30.1

Equipment Owner: SHERMAN CRANE

Model No.: 9103-A

Equipment Make: NATIONAL

Serial No.: 292447

Equipment Type: BOOM TRUCK

Unit Id: C-199

Inspection ID: : 88.577.1561341744

Inspected on this: 20th (Thursday) day of June, 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