



Inspection Report: BOOM TRUCK-ANNUAL

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

Date Inspected: 06/17/2020

Operation Hours: 12,450.

Operation Miles: 142,267.

Inspector: Steve Marquis

Inspection ID: 88.577.1592825836

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?

☒ Yes
☐ No

Do you want to attach an annual certification to this unit?

☒ Yes
☐ No

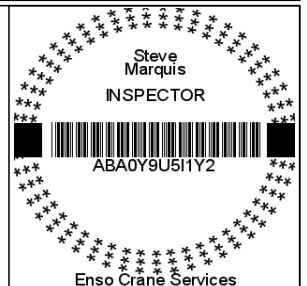
Unit Location at Time of Inspection: Wilmington, MA

GPS Tag:

Inspector



Steve Marquis





Inspection Details

Type of Inspection: BOOM TRUCK-ANNUAL

Inspection ID: 88.577.1592825836

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	96. Boom Length	
66. Swivel Hydraulic Tubing	S	30 - 103 ft	
67. Swivel Hydraulic Fittings	S	97. Boom Lift Cylinders	S
68. Hydraulic Pressure / Relief Valves	S	98. Boom Telescoping Cylinder(s)	S
69. Electrical Wiring	S	99. Holding Device / Holding Valves	S
70. Swing / Slew Gearbox	S	100. Boom Hydraulic Hoses	S
71. Main Hoist Mounting Bolts	S	101. Boom Hydraulic Tubing	S
72. Wire Rope Lay on Main Hoist	S	102. Boom Hydraulic Fittings	S
OPERATORS STATION		103. Boom Extension / Retraction Cables	S
73. Cab Access / Steps / Ladders	S	104. Boom Wear Pads	S
74. Hand Holds / Guardrails	S	105. Boom Section Alignment	S
75. Anti Slip Surfaces	S	106. Equal Extension / Boom Sequence	S
76. Fire Extinguisher 10BC	S	107. Condition of Sheaves	S
77. Operators Manual	S	108. Hoist Retainers / Keepers	S
78. All Safety Decals In Cab	S	109. Condition of Boom Structure	S
79. Electrocution Warning In Cab	S	110. Condition of Boom Head	S
80. Crane Level Indicator	S	LOAD BLOCK AND HOOK	
81. Horn	S	INFORMATION	
82. Gauges / Light Display	S	111. Manufacturer	
83. Crane Function Controls Movement	S	JOHNSON	
84. Crane Function Controls Identified	S	112. Serial Number	
85. Swing Brake / Lock	S	06-753	
RATED CAPACITY CHART		113. Rated Capacity	
86. Correct Capacity Chart for Crane	S	12.5 UST	
87. Legible / Durable	S	114. Block Weight	
88. Secured / Accessible to Operator	S	304 lbs	
OPERATIONAL AIDS		ITEM	
89. Boom Angle Indicator	S	115. Capacity Marking	S
90. Boom Length Indicator	S	116. Weight Marking	S
91. Anti Two Block / Device / Warning	S	117. Sheave(s)	S
92. LMI Make & Model		118. Safety Latch	S
PAT DS-160		119. 0 Degree Hook Bend or Twist	S
93. Load Moment Indicator	S	120. 5% Hook Throat Opening or 1/4 inch	S
94. Load Radius Indicator	S	121. 10% Hook Wear	S
95. Load Weight Indicator	S	122. Bearing	S
MAIN BOOM		123. Pins and Retainers	S



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



Image 1





Image 2

603.781.7795

CERTIFICATION OF INSPECTION

ENSO
CRANE SERVICES

INSPECTION DATE 6.17.20

MODEL 9103-A

SERIAL NO 292447

INSPECTION STANDARD 1926.1400

WWW.ENSOCRANE.COM

CRANE INSPECTIONS, ENGINEERING, & SAFETY TRAINING



Notes

Inspection ID:88.577.1592825836

Explanation

124: ITEM - Reeving: 1 part

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

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

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



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: : 88.577.1592825836

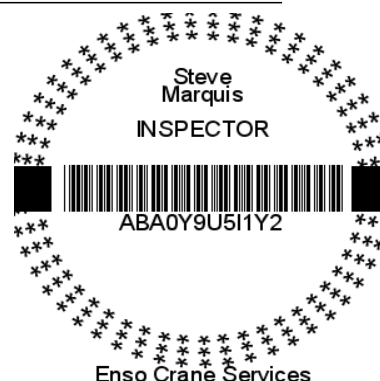
Inspected on this: 17th (Wednesday) day of June, 2020

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