



***Crane Inspections,  
Engineering, and Safety  
Training***

October 10, 2011

Via Email (.pdf)

Mr. Tony Shweiri  
Shawmut Equipment Co.  
136 Eastman St.  
Easton MA 02375  
TonyShweiri@shawmutequipment.com

**RE: Annual Inspection**  
**Make/Model/Serial No.: National/296722**  
**Owner's ID:**  
**Enso No.: HRP909**

Dear Tony:

Per your request and authorization, Stephen Perry, has conducted an inspection of the above referenced equipment for the purpose of an Annual Certification on October 6, 2011. The inspection was conducted pursuant to OSHA/ANSI/ASME Standards: OSHA 1926.1400, 1926.601 PCSA #2, ANSI B30.5 (1968) ANSI/ASME B30.5.

As documentation of the inspection, please find the attached.

- **Hydraulic Boom Truck Crane Inspection Report** completed during the inspection.
- **Photographs** taken at time of Inspection.
- Our **Applicable to Inspection Reports**.
- Your **Inspection Certificate**

I trust that the foregoing provides you with the information that you require at this time. Please do not hesitate to contact me at (603) 781-7795 or by email at [stephen@ensocrane.com](mailto:stephen@ensocrane.com), should you have any questions regarding this inspection.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephen M. Perry", with a long horizontal flourish extending to the right.

Stephen M. Perry,  
CCAA Certified Mobile Crane Surveyor

(603) 781-7795

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## Hydraulic Boom Truck Crane Inspection Report

**OSHA/ANSI/ASME Standards:** OSHA 1926.1400, 1926.601 PCSA #2, ANSI B30.5 (1968) ANSI/ASME B30.5

**Date Inspected:** 10/6/2011      **Type of Inspection:** Annual      **Project Number:** HRP909

**Approved Surveyor (Inspector):** Stephen Perry

### EQUIPMENT IDENTIFICATION

**Owner's Unit No.:** \_\_\_\_\_ **Hours:** \_\_\_\_\_

**Name & Address of Owner:** Shawmut Equipment Co.

**Manufacturer:** National      **Model:** 1300A      **Serial No.:** 296722

**Crane Description:** Hydraulic Boom Truck Crane      **Max Capacity:** 30 Ton

**Crane Location at Time of Inspection:** Easton, MA

✓ = Satisfactory R=Recommendation X = Unsatisfactory N/A = Not Applicable

REFERENCE	ITEM	statu	REFERENCE	ITEM	status
	<b>Historical Data</b>			<b>Truck Powerplant</b>	
O-1926.550(b)(2)	Monthly Inspection Records		O-B30.5-2.1.3(a)(7)	Performance	✓
O-B30.5-2.3.1	Maintenance Records		O-1926.550(a)(10)	Exhaust System	✓
O-1926.550(a)(16)	Repair/ Modification Records		O-B30.5-2.1.3	Belts / Hoses	✓
	<b>General</b>		O-1926.550(a)(8)	Guards/Covers/Rotat. & Recp.parts	✓
O-1926.550(a)(8)&(10)	Guards/Covers	✓		Other	
O-1926.601(2)(i)&(ii)	External Lights	✓		<b>Chassis Carrier</b>	
O-B30.5-3.4.7	Housekeeping	✓	O-B30.5-2.1.3	Transmission	✓
O-1926.550(a)(2)	Instructions/Cautions/Warning Decals	✓	O-B30.5-2.1.3	Drive Line	✓
O-1926.550(a)(4)	Hand Signal Chart Outside	✓	O-B30.5-2.1.3(a)(11)	Tires Air Pressure Wheels	✓
	Other		O-B30.5-2.1.3(a)(1)	Main Frame Members	✓
	<b>Drivers Cab</b>		O-B30.5-2.1.2(a)(4)	Hydraulic Hoses, Tubing Fittings	✓
O-1926.550(a)(13)(i)&(iii)	Access-Hand Holds/Steps	✓	O-B30.5-2.1.2(a)(4)	Hydraulic Fluid Level	✓
O-1926.550(a)(12)	Glass	✓	O-1926.550(a)(13)(iii)	Anti-skid Surface	✓
O-1926.601(b)(2)(i)&(ii)	Windshield Wiper(s)	✓	O-1926.550(a)(8)	Guards and Covers	✓
O-B30.5-1.8.1.(c)	Door(s) /Restraints(s)	✓	O-1926.601(b)(4)(i)	Backup Alarm	✓
O-1926.601(b)(4)	Mirrors	✓		Other	
O-1926.550(a)(14)(i)	Fire Extinguisher	✓		<b>Outriggers</b>	
O-1926.601(b)(9)	Seat Belts	✓	O-B30.5-2.1.3(a)(1)	Boxes	✓
O-B30.5-2.1.3	Power Take Off	✓	O-B30.5-2.1.3(a)(1)	Beams	✓
O-1926.601(b)(1)	Parking Break	✓	O-PCSA #2 8.2.1.3	Cylinders	✓
O-B30.5-2.1.2.(a)(4)	Air Pressure	✓	O-B30.5-1.9.3.(d)	Floats/Pads	✓
O-1926.550.(a)(2)	Controls Identified	✓	O-PCSA #2 8.2.1.3	Hydraulic Hoses, Tubes, Fittings	✓
O-B30.5-2.1.3.(a)(6)	Instruments/Gauges	✓	O-B30.5-1.9.3.(b)	Holding Valves	✓
O-B30.5-2.1.2.(a)(7)	Electrical Switches/Functions	✓	O-B30.5-2.1.3(a)(4)	Position Locks	✓
O-1926.601(b)(3)	Horn	✓	O-1926.550(a)(2)	Caution/Warning Signs	✓
O-1926.601(b)(2)	Lights	✓		Other	
O-B30.5-2.1.3(a)(10)	Steering	✓		<b>Load Chart</b>	
O-B30.5-1.6.4	Engine Clutch	✓	O-1926.550.(a)(1)&(2)	Per Configuration	✓
O-B30.5-1.6.3.(b)	Accelerator	✓	O-B30.5-1.1.3	Durable	✓

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O-PCSA #2 5.14	Break	✓	O-B30.5-1.1.3	Legible	✓
O-PCSA #2 8.01	Operators Manual	✓	O-B30.5-1.1.3	Visible from Operator's Station	✓
	Other	✓	O-B30.5-1.1.3	Secured	✓
<b>Operator's Cab &amp; Station</b>				Other	
O-1926.550.(a)(13)(i)&(iii)	Grab Rails/Steps/Platforms	✓		<b>Safety Devices/Operational A</b>	
O-1926.550.(a)(13)(iii)	Anti-Skid Surface	✓	O-PCSA #2 7.1.1.2	Boom Angle Indicator	✓
O-1926.550.(a)(14)(i)	Fire Extinguisher	✓	O-PCSA #2 7.1.1.3	Boom Length Indicator	✓
O-1926.550.(a)(2)	Operating Instructions/Decals	✓	O-B30.5-2.1.3.(a)(6)	Drum Rotation Indicator	✓
O-1926.550.(a)(2)	Electrocution Warning Sign	✓	O-B30.5-2.1.2.(a)(3)	Overload Protection	✓
O-PCSA #2 4.0.5.2	Controls Forces /Movements	✓	O-B30.5-1.9.9.(d)	Crane Level Indicator	✓
O-1926.550.(a)(2)	Controls Identified	✓	A-B30.5-1.9.9.1	Anti Two Block Device	✓
O-PCSA #2 8.2.1.3	Hydraulic Leaks	✓	A-B30.5-1.9.9.1	Two Block Warning Device	✓
O-1926.601(b)(3)	Horn/Warning Device	✓		Other	
O-B30.5-1.6.3(b)	Accelerator/ Throttle Control	✓		<b>Main Boom</b>	
	Other		O-PCSA #2 8.2.1.(2)	Lift Cylinder	✓
	<b>Upper Structure</b>		O-PCSA #2 8.2.1.(2)	Telescoping Cylinder	✓
O-B30.5-2.1.3	Tumtable	✓	O-PCSA #2 4.07.1	Boom Section Alignment	✓
O-B30.5-2.1.2(a)(1)	Mounting	✓	O-PCSA #2 8.2.1.3	Hydraulic Hoses Tubes and Fittings	✓
O-B30.5-2.1.3(a)(1)	Turret	✓	O-B30.5-1.3.1(d)	Holding Device	✓
O-PCSA #2 8.2.1.(2)	Hydraulic Pump(s)	✓	O-B30.5-2.1.3.(a)(3)	Sheaves	✓
O-PCSA #2 8.2.1.3	Hydraulic Hoses/Tubing/Fittings	✓	O-B30.5-1.7.3	Hoist Line Dead End	✓
O-PCSA #2 8.1.4	Hydraulic Pressure	✓	O-B30.5-1.7.4(b)	Wire Rope Retainers	✓
O-B30.5-2.1.3	Electrical Wiring	✓	O-B30.5-2.1.3.(a)(4)	Boom Hinge Pins	✓
O-B30.5-13.2(a)(1)	Hoist Break	✓	O-B30.5-2.1.3	Boom Head Section	✓
O-B30.5-2.1.2.6	Hoist Wrapping on Drum	✓	O-B30.5-2.1.3.(a)(1)	Structure	✓
O-PCSA #2 8.1.5.2	Hoist wraps on drum (2 min)	✓		Other	
O-B30.5-2.1.3(a)(4)	Swing Gear Box	✓		<b>Jib/Extension</b>	
O-PCSA #2 8.2.1.(2)	Hoist Motors/Valves/Lines	✓	O-1926.550.(b)(1)	Positive Stops	✓
O-B30.5-2.1.3(a)(3)	Drums/Flanges	✓	O-B30.5-2.1.3.(a)(3)	Sheaves	✓
O-1926.550.(a)(2)	Electrocution Warning Sign (out)	✓	O-B30.5-1.7.4(b)	Wire Rope Retainers	✓
	Other		O-B30.5-2.1.3.(a)(1)	Structure	✓
	<b>Headache Ball &amp; Hook</b>		O-B30.5-2.1.3.(a)(1)	End Connections/Pins	✓
<i>Manufacturer</i>	National			Other	
<i>Capacity</i>	7 Ton			<b>Main Load Block</b>	
<i>Block Weight</i>	168Lbs.		<i>Manufacturer</i>	National	
<i>Hook Tram Meas:</i>			<i>Capacity</i>	15 Ton	
A-B30.5-1.7.6	Capacity Marking	✓	<i>Block Weight</i>	286Lbs.	
A-B30.5-1.7.6	Weight Marking	✓	<i>Hook Tram Meas:</i>		
A-B30.5-1.7.6	Safety Latches	✓	A-B30.5-1.7.6	Capacity Marking	✓
O-B30.5-2.1.2.(a)(5)	10 degrees Hook Twist	✓	A-B30.5-1.7.6	Weight Marking	✓
O-B30.5-2.1.2.(a)(5)	15% Hook Throat Opening	✓	O-B30.5-2.1.2.(a)(3)	Sheaves	✓
A-B30.10-1.2.3.(b)(2)	10% Hook Wear	✓	A-B30.5-1.7.6	Safety Latches	✓
O-B30.5-2.1.3.(a)(4)	Swivel	✓	O-B30.5-2.1.2.(a)(5)	10 degrees Hook Twist	✓

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O-B30.5-2.1.3.(a)(4)	Bearing	✓	O-B30.5-2.1.2.(a)(5)	15% Hook Throat Opening	✓
O-B30.5-1.7.3.(c)	Wedge Socket/ End Fitting	✓	A-B30.10-1.2.3.(b)(2)	10% Hook Wear	✓
	Other		O-B30.5-2.1.3.(a)(4)	Swivel	✓
	<b>Wire Rope</b>		O-B30.5-2.1.3.(a)(4)	Bearing	✓
Main Hoist	9/16	✓	O-B30.5-1.7.3.(c)	Wedge Socket End Fitting	
Pendants		n/a	O-B30.5-2.1.2.(a)(6)	Reeving	

**Make/Model/Serial No.: National/1300A/296722**



Proud Members of Crane Certification Association of America (CCAA)

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## Enso Crane Services

Hydraulic Boom Truck Crane      National/1300A/296722



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## **APPLICABLE TO INSPECTION REPORTS**

Inspection reports are based upon observed procedures and inspections performed by Enso Crane Services, but are not intended to replace or supersede the necessity for routine or preventative maintenance or procedures recommended by others, such as, but not limited to manufacturers, operators, and other inspecting organizations or persons.

Referral to applicable regulations is essential with regard to responsibilities of owners and users for use, maintenance, and normal operational inspections. It is especially important that owners and users, regularly and by means of extraordinary disassembly and/or non-destructive testing, arrange to effectively examine parts of the equipment, which may be reasonably accessible by routine examinations, including such examinations by Enso Crane Services.

Equipment owners and users should assure continuous compliance with all manufacturer's regulatory and other applicable performance specifications, including but not limited to, full range accuracy of load indicating devices, machinery, etc., regardless of the extent to which specifications can be evaluated during Enso Crane Services inspections.

Other requirements of applicable Federal and State regulations not specifically considered within the scope or recorded by related Enso Crane Services' reports, remain for the continuing attention and responsibility of equipment owners and users, including but not limited to, adequate lighting, walkways, ladders, stairways, clearance between moving and fixed structures, electrical motor restart lockouts, fire extinguishers in the vicinity, etc.

**Approved OSHA Surveyors (Inspectors) Under OSHA Maritime Regulation (CFR 1919)**

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***Crane Inspections, Engineering,  
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**Enso Crane Services**

**Inspection Certification**

**Owner:** Shawmut Equipment Co.

**OSHA/ANSI/ASME Standards:** OSHA 1926.1400 1926.601 PCSA #2,  
ANSI B30.5 (1968) ANSI/ASME B30.5

**Equipment Description:** Hydraulic Boom Truck Crane  
**Make/Model/Serial No.:** National/1300A/296722  
**Maximum Rated Capacity:** 30 Ton

**Certificate No.:** HRP909

On October 6, 2011 the above described equipment was inspected and/or tested, in accordance with established industry standards and guidelines, pursuant to applicable OSHA/ANSI/ASME codes and standards. No condition, whether expressed or implied, will cause the qualification of this equipment to extend beyond the date of inspection. Continuance of compliance is dependent upon your adherence to the maintenance policies, operation procedures and manufacturers specifications.

A handwritten signature in black ink, appearing to read "Stephen M. Perry".

Stephen M. Perry  
CCAA Certified Mobile Crane Surveyor



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