



elmco/delaney

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## FAX COVER SHEET

Date:

7/31/02

Pages:

3 (inc. cover)

TO:

Company:

Phone #:

Fax #:

FROM:

Company:

Phone #:

Fax #:

Subject:

Lochinvar Boiler Inspection Report

Message:

15514

BOILER STARTUP DOCS.

+ CERTS.

INCLUDES BOILER  
TRIM, CONTROLS  
AND BURNERS

# **FORM H-3 MANUFACTURER'S DATA REPORT FOR WATERTUBE BOILERS** As Required by the Provisions of the ASME Code Rules, Section IV

1. Manufactured and certified by \_\_\_\_\_ (name and address of manufacturer)
2. Manufactured for \_\_\_\_\_ (STOCK) \_\_\_\_\_ (name and address of purchaser)
3. Location of installation \_\_\_\_\_ NOT - KNOWN \_\_\_\_\_ (name and address)
4. Unit Identification: \_\_\_\_\_ (complete boiler, superheater, waterwall, etc.) \_\_\_\_\_ (mfr's serial no.) \_\_\_\_\_ (CRN) \_\_\_\_\_ (drawing no.) \_\_\_\_\_ (Nat'l Bd. no.) \_\_\_\_\_ 2001 (year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Code, Section IV, \_\_\_\_\_ 1998 \_\_\_\_\_ 2000 (year) (addenda (date)) (Code Case no.)

## 6. (a) Drums:

No.	Inside Diameter, In.	Inside Length Ft. In.	Shell Plates			Tube Sheets		Tube Hole Ligament Efficiency, %	
			Mat'l. Spec., Grade	Thickness In.	Inside Radius In.	Thickness In.	Inside Radius In.	Longitudinal	Circumferential
1	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-

No.	Longitudinal Joints		Circum. Joints		Heads				Hydrostatic Test psi
	No. & Type*	Efficiency	No. & Type	Efficiency	Mat'l. Spec., Grade	Thickness In.	Type**	Radius of Dish	
1	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-

\* Indicate if (1) seamless, (2) fusion welded

\*\* Indicate if (1) flat, (2) dished, (3) ellipsoidal, (4) hemispherical

## 6. (b) Boiler tubes:

Diameter	Thickness	Mat'l. Spec. No., Grade	No.	How Attached
1"	.065	SB-308	12	ROLLED
12 Tubes	-	1" X 61.75"	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

6. (c) Headers no. BOX SA278-30 500  
(box or sinuous or round mat'l spec. no., thickness)

Heads or ends AS ABOVE Hydro test, psi 240  
(shape mat'l. spec no., thickness)

6. (d) Stay bolts: \_\_\_\_\_  
(mat'l spec no, diameter, size, tailhole, net area)

Pitch \_\_\_\_\_ in. Net area \_\_\_\_\_ sq. in. Design pressure \_\_\_\_\_ psi  
(supported by one bolt)

6. (e) Mud drum: \_\_\_\_\_ Heads or ends \_\_\_\_\_  
(for seat header boilers, state also shape, mat'l spec. no. thickness) (shape, mat'l spec. no. thickness)

## 7. Waterwall headers:

No.	Size and Shape	Material Spec. No., Gr.	Thickness In.	Shape	Thickness In.	Material Spec. No., Gr.	Hydro Test psi	Diameter In.	Thickness In.	Material Spec. No., Gr.
1	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-

6. (a) Other parts (1)		(2)		(3)		6. (b) Tubes for other parts				
1	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-

## 8. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc)	No.	Dia. or Size	Type	How Attached	Mat'l.	Nom. Thickness	Reinforcement Mat'l.	Location
Handhole up to 3" x 4"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Manhole	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INLET	1	2 1/2"	NPT	CAST	SA278-30	N/A	N/A	HEAD
OUTLET	1	2 1/2"	NPT	CAST	SA278-30	N/A	N/A	HEAD
DRAIN	23	3/4"	NPT	CAST	SA278-30	N/A	N/A	HEAD
RELIEF VALVE	2	3/4"	NPT	CAST	SA278-30	N/A	N/A	HEAD

## FORM H-3 (Back)

10.

	MAWP	Maximum Water Temp.	Shop Hydro. Test psi	Heating Surface sq. ft.
a. Boiler	160 P.S.I.	240 DEG. F	240	144
b. Waterwall	-	-	-	-
c. Superheater	-	-	-	-
d. Other Parts	-	-	-	-

Heating surface  
to be stamped  
on drum heads.

This heating surface  
not to be used for  
determining minimum  
water valve capacity.

11.  
Field Hydro. Test psi

12. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: \_\_\_\_\_

(name of part, item number, mfr's name, and identifying stamp)

13. Remarks:

CONSTRUCTED UNDER THE PROVISIONS OF HG-515.4(b)

## CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this data report are correct and that all details of design, material, construction, and workmanship of this boiler conform to Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"H" Certificate of Authorization No.

16837

expires

07/27

2002

Date DEC 12 2001

Signed

Name Lochivar Industries Inc.

(by representative)

(manufacturer that constructed and certified boiler)

## CERTIFICATE OF SHOP INSPECTION

Boiler constructed by LOCHIVAR INDUSTRIES INC. at 300 MADDOX SIMPSON PARKWAY, LEBANON, TENN. 37087

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of TN.

and employed by COMMERCIAL UNION OF BOSTON, MA.

have inspected parts of this boiler referred to as data

Name 12345678910

and have examined Manufacturer's Partial Data Re-

ports for items N/A

and state that, to the best of my knowledge and belief,

the manufacturer has constructed this boiler in accordance with Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this

Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or

a loss of any kind arising from or connected with this inspection.

Date DEC 12 2001

Signed

Commission

(Natl. Bd. (incl. endorsements) state, prov. and no.)

## CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly construction of all parts of this boiler conforms with the requirements of SECTION IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"H" Certificate of Authorization no.

expires

Date

Signed

Name

(by representative)

(assembler that certified and constructed field assembly)

## CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of \_\_\_\_\_

and employed by \_\_\_\_\_ have compared the statements in

this Manufacturer's Data Report with the described boiler and state that the parts referred to as data items \_\_\_\_\_, not

included in this certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief, the manufacturer and/or the assembler

has constructed and assembled this boiler in accordance with Section IV of the ASME BOILER AND PRESSURE VESSEL CODE. The described boiler was

inspected and subjected to a hydrostatic test of \_\_\_\_\_ psi.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this Manufacturer's

Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind

arising from or connected with this inspection.

Date

Signed

Commission

(Authorized Inspector)

(Natl. Bd. (incl. endorsements) state, prov. and no.)