

375 Muscogee Road
P.O. Box 87
Cantonment, Florida 32533-0087
904 968-2121

Emergency World Wide All Copy
030216986
Mailed 11/5/87



DER

NOV 6 1987

BAQM

November 5, 2987

Mr. Pradeep Raval
Florida Department of Environmental
Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

Dear Mr. Raval:

Enclosed are two documents which we discussed by telephone today. First is the original ASME Form P3 showing that the rental package boiler was built in 1964. The current owner of the boiler, Holman Boiler Works, Inc., replaced the tubes in the boiler in 1982. This was the last major work done on the boiler. The burner supplier, Coen, is currently rebuilding the burner to meet the .2 lb/MM Btu NOx requirement.

The second document is a page from a performance guarantee for a boiler which our Quinnesec, Michigan mill is installing as part of an expansion at that facility. This performance guarantee is for a low NOx burner which should have the same CO emissions as the standard burner which will be installed in a package boiler we are renting. The guarantee showed a CO value of 175 parts/million which for that particular boiler at its flow rate calculates as .22 lb CO/MM Btu heat input. Champion is in the process of getting a guarantee from Coen for the burner that will be installed in the package boiler we are renting. We expect that number to be .24 lb/MM Btu heat input, which should be the value in the construction permit.

If there are any questions concerning this information, please contact me at the mill.

Sincerely,

David T. Arceneaux

DTA/hs

Attachments

cc: Mr. Thomas Moody - DER, Pensacola
Mr. William Thomas - DER, Tallahassee

Copied Pradeep Raval }
Tom Rogus } 11/6/87
Barbara Andrews }

FORM OF PAYMENT

EMERY
WORLDWIDE

UNITED STATES / CANADA

INTERNATIONAL

CASH GBL CBL

FCCOD

STANDARD SERVICES *

STANDARD SERVICES *

PPD COL OTH COMAT

0302769863

Same Day
Next Morning
Second Morning

Other
Metro

Courier Express
Air Cargo Service
Air Economy Service

Business Documents
Customs Clearance
Delivery

Shippers Emery Account Number
E 991260597



Date: 11/2/81
Origin: FNE
Shipment Number: 030276986

From: CHAMPION INTERNATIONAL
MUNDOGO RD
CAIRO, MIAMI, FL
Customer's Reference Numbers: 219
Description and Marks: 22553

To: 11/2/81
Mr. Patrick Powell
Florida Dept. of Environmental Res.
2600 Blair Stone Road
Tallahassee, FL
Consignee's Emery Account No. 32301N

Description and Marks	Dimensions			Pieces	Weight (in lbs)
	L	W	H		
Various Labels					

32301N
Terms and Conditions on Back

Shipper's Signature X
International Charges
Free Domicile Comm. Code
Third party Emery Account Number mandatory for Third party billing: E
Third Party Emery Account No.
Intl. Customs Value
Intl. Insurance
Total Transportation Charges
Other Charges: OC \$

Mo.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Multiple Shpts. / Drop Box					
Day	1	2	3	4	5	6	7	8	9	0	1	2	1	2	3	4	5	6
24 Hour Time	1	0	1	2	0	2	1		00		15		7	8	9	0	1	2
Goods Rec'd At:	3	4	5	6	7	8	9		30		45		Over 32 →					

PULL

FORM P-3 MANUFACTURER'S DATA REPORT FOR WATER-TUBE BOILERS, SUPERHEATERS, WATERWALLS, AND ECONOMIZERS

As Required by the Provisions of the ASME Code Rules

1. Manufactured by WICKES BOILER COMPANY SAGINAW, MICHIGAN
(Name and address of manufacturer)

2. Manufactured for U.S. NAVY - U.S. NAVAL BASE GUANTANAMO BAY, CUBA
(Name and address of purchaser)

3. Identification BENT TUBE BOILER Boiler No. 64020-1 ASME-6030 2889 Year Built 1964
(Type of boiler, superheater, waterwall, economizer) (Mfr. Serial No.) ENGINEERING DESIGNS (Nat'l. Board No.)

4. 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 Rules SECTION I

Remarks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: NONE
(Name of Part-Item number, manufacturer's name, and identifying stamp)

We certify the statement in this data report to be correct.

Date May 4, 1964 Signed WICKES BOILER COMPANY By Ward E. Bennett
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 1964

CERTIFICATE OF SHOP INSPECTION

BOILER MADE BY WICKES BOILER COMPANY at SAGINAW, MICHIGAN

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of _____ and employed by HARTFORD STM. BLR. INSP. & INS. of HARTFORD, CONNECTICUT

have inspected parts of this boiler referred to as data items 5a, 5b, 7a, 7b, 8a, 8b, 9a, 10, 11a, 11c, 11d and have examined manufacturer's partial data reports for items _____ and state that, to the best of my knowledge and belief, the manufacturer has constructed this boiler in accordance with the applicable sections 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 May 6th 1964
W. S. Carmichael Commissions NB, 1423
Inspector Nat'l Board or State and No.

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

Date _____ 19 _____ Signed _____ By _____
(Assembler) (Representative)

Our Certificate of Authorization to use the _____ Symbol expires _____ 19 _____
(A) or (B)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of _____ and employed by _____ of _____

have compared the statements in this manufacturer's data report with the described boiler and state that the parts referred to as data items 7b, 12, not included in the 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 the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE. The described boiler was inspected and subjected to a hydrostatic test of 1,163 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 _____ 19 _____
 _____ Commissions _____
Inspector Nat'l Board or State and No.

3(a) DRUMS

No.	Nominal diameter in.	Length Ft. In.	Shell plates				Tube sheets		Tube hole ligament efficiency %	
			Brand	Material spec. no.	Thickness	Inside radius	Thickness	Inside radius	Longitudinal	Circumferential
1	18 OD	34-11-3/4	Seamless	SA-106-B	1.156"	7.844"	1.156"	7.844"	43.0	26.6
2	18 OD	34-11-3/4	Seamless	SA-106-B	1.156"	7.844"	1.156"	7.844"	43.0	26.6
3	42 ID	36-10	FB	SA-212-B	1-29/32"	21"	1-29/32"	21"	49.2	32.3
4	41-3/4 ID		FB	SA-212-B	2-1/32"	20 1/4"	2-1/32"	20 1/4"		

No.	Longitudinal joints		Circum. joints		Heads * OVAL HANDHOLES						Hydrostatic test, lb	
	No. & type*	Efficiency %	No. & type	Efficiency %	Brand	Material spec. no.	Thickness		Type**	Radius of dish		Manholes No. Size
1	0-1	100	--	--	FB	SA-212-B	3"	3"	1	--	2-4" x 3"	1050
2	0-1	100	--	--	FB	SA-212-B	3"	3"	1	--	2-4" x 3"	1050
3	1-2	100	4-2	100	FB	SA-212-B	1-29/32"	1-29/32"	3	Ellip.	2-12" x 16"	1050

* Indicate if 1. Seamless; 2. Fusion welded; 3. Forge welded; 4. Riveted.

** Indicate if 1. Flat; 2. Dished; 3. Ellipsoidal; 4. Hemispherical.

5(b) BOILER TUBES

Diameter	Thickness	Material specification no.
2"	.105"	SA-178-A ERW
2"	.150"	SA-178-A ERW

(c) HEADERS No. (One or more; Mat. spec. no.; Thickness)

HEADS OR ENDS Hydro. Test-Ls. (Shape; Mat. spec. no.; Thickness)

(d) STAYSOLTS (Mat. spec. no.; Diameter; Size (pitch); Net area)

PITCH NET AREA MAX. S.W.P. (Supported by one bolt)

5(e) MUD DRUMS HEADS OR ENDS Hydro. Test-Ls. (For sect. header boilers. State size; Shape; Mat. spec. no.; Thickness) (Shape; Mat. spec. no.; Thickness)

6(a) WATERWALL HEADERS

No.	Size and shape	Material spec. no.	Thickness	Heads or Ends			Hydro. test, lb	6(b) WATERWALL TUBES		
				Shape	Thickness	Material spec. no.		Diameter	Thickness	Material spec. no.

7(a) ECONOMIZER HEADERS

2	8 1/2" OD	SA-106-B	0.718"	1-0	29/32"-0"	SA-212-B	1163	2"	.180"	SA178A ERW
---	-----------	----------	--------	-----	-----------	----------	------	----	-------	------------

7(b) ECONOMIZER TUBES

8(a) SUPERHEATER HEADERS

2	8 1/2" OD	(SA-106-B	0.718")	1-0	29/32"-0"	SA-212-B	1050	2"	.150"	SA178A ERW
1	8"	(SA-53	Sch. 80)				1050	2"	.180"	SA213T/11
1	8"	SA-53	Sch. 80	Superheater inlet pipe			1050			

8(b) SUPERHEATER TUBES

9(a) OTHER PARTS (1) PIPING (2) (3) NO CONNECTIONS TO ITEM 10 EXCEPT;

a	4 - 1 1/2"	SA-53	Sch. 80	2-B.O. Pipes	2-W.C. Pipes	1050			
b	1 - 2"	SA-53	Sch. 80	Soot Blower Pipe		1050			
c	2 - 4"	SA-53	Sch. 80	Economizer Pipes		1163	1-1 1/2"	Frg. Flg. S.V. Noz.	SH

9(b) TUBES FOR OTHER PARTS

10 OPENINGS (1) Steam (2) Safety valve (3) Blow off (4) Feed (1 - 8" Studded Pad) (2-2 1/2" Studded Pads (drum)) (2-1 1/2" Socketweld Connections) (1-4" Frg. Flg. Noz. R.H. Side #3 Drum)

	Bursting pressure weakest part	Maximum S.W.P.	Factor of safety	Shop hydro. test	Heating surface	12 Field hydro. test
a Boiler	2964	700	4.23	1050	10,269	
b Waterwall						
c Economizer	3528	775	4.55		5,270	1163
d Superheater	3528	700	5.04	1050	1,243	

Heating surface to be stamped on drum heads. This heating surface not to be used for determining minimum design capacity.

PERFORMANCE GUARANTEE

subject to the fulfillment of the performance conditions specified in the preceding paragraphs, the Company guarantees that the equipment will be capable of achieving the following performance during the test period specified herein.

A. Maximum Continuous Capacity

1. The Company guarantees the equipment proposed hereunder to be capable of evaporating steam for a continuous period of 24 hours at a rate of 300,000 lb of steam per hour when firing the specified Natural Gas or No. 6 Fuel Oil, with a -20 Deg. F inlet air temperature.

B. Performance (at an evaporation rate of 300,000 lb/hr)

1. The maximum average solids in steam leaving the upper drum will not exceed 0.05 ppm when the total dissolved solids in the boiler water are less than 100 ppm.
2. The maximum average steam temperature at the desuperheater outlet will be 752 Deg.F (+/- 10 Deg.F) from 120,000 to 300,000 lb/hr steam when firing the specified Natural Gas.
3. The average gas temperature leaving economizer at MCR will be 350 Deg.F (+/- 15 deg F) when firing the specified Natural Gas.
4. The thermal efficiency will not be less than 82.6% when firing the specified Natural Gas
5. The thermal efficiency will not be less than 87.7% when firing the specified No.6 Fuel Oil.

C. Emissions

1. When firing the specified Natural Gas with a maximum fuel fired of 398.2 MM Btu/hr, the proposed unit will not exceed the following exhaust gas emission levels. Test equipment, procedures, and calculations shall be in accordance with the methods listed in 46 CFR Part 30, Appendix A:

- | | | |
|----------------------|-----------------|-------------------|
| a. NOx | : .03 lb/MM BTU | (Test Method # 7) |
| b. CO | : 175 ppm | (Test Method #10) |
| c. Total Hydrocarbon | : 20 ppm | (Test Method #25) |

- CO₂*
- e. The SO₂ concentration is an exclusive function of the Sulfur content of the fuel fired. Therefore, SO₂ emissions are not within the control of the boiler manufacturer.

THE GUARANTEES SET FORTH ABOVE ARE THE ONLY PERFORMANCE GUARANTEES MADE BY THE COMPANY.

375 Muscogee Road
P.O. Box 87
Cantonment, Florida 32533-0087
904 968-2121

Emery
0302-6984-1

PM
10/29/87
Cantonment, FL

file copy



October 29, 1987
AC 17-140962

DER
OCT 30 1987
BAQM

Mr. William Thomas
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

Dear Mr. Thomas:

Attached is the additional information which was requested during our meeting on October 23, 1987.

If I can provide any other information, please call.

Sincerely,

A handwritten signature in cursive script, appearing to read 'David T. Arceneaux'.

David T. Arceneaux
Supervisor
Environmental Control

DTA/ma
Attachment

cc: Thomas Moody, DER Pensacola
Pradeep Raval, DER Tallahassee
Thomas Rogers, DER Tallahassee
CHFIBT

FORM OF PAYMENT



UNITED STATES / CANADA

INTERNATIONAL

CASH GBL CBL FCCOD

STANDARD SERVICES *

STANDARD SERVICES *

Same Day Other
 Next Morning Metro
 Second Morning

Courier Express Business Documents
 Air Cargo Service Customs Clearance
 Air Economy Service Delivery

0302769841



PPD COL OTH COMAT

Shippers Emery Account Number
E 791260597

Date: 10/28/87 Origin: P145 Shipment Number: **030276984**

From: David Arboreaux 904/360-2121
 CHAMPION INTERNATIONAL
 140000000000000000
 CAMDENMENT, FL
 Customer's Reference Numbers: 302530
 Description and Marks: Urgent Memoranda
 Dimensions: L: , W: , H: Pieces: 1 Weight (In Lbs): 1
 TODSR Haz Mat Edit

To: Mr. William Thomas - DNR
 Twin Towers Office Building
 2600 Blair Stone Road
 Tallahassee, FL
 Consignee's Emery Account No. 32301
 Saturday Delivery

Tariff Dest. Gateway
 C. O. D. \$
 Hold at Airport
 Canada
 A B C D E F G H

32301 N
 Terms and Conditions on Back

Shipper's Signature X
 International Charges: Free Domicile Comm. Code
 Third party Emery Account Number mandatory for Third party billing: E
 Third Party Emery Account No.
 At Origin: Intl. Customs Value, Intl. Insurance
 Base Charge
 At Destination: Total Transportation Charges, Other Charges
 TOTAL

Mo.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Multiple Shpts. / Drop Box					
Day	1	2	3	4	5	6	7	8	9	0	1	2	1	2	3	4	5	6
24 Hour Time	1	0	1	2	0	2	1		00		15		7	8	9	0	1	2
	3	4	5	6	7	8	9		30		45		Over 32 →					

Goods Rec'd By Emery: Shipper's Door Drop Box A
 Emery Terminal Carrier Advance B
 By: Emery Representative

Natural Gas Usage
(Million Cubic Feet)

Boiler	No.1/No.1 Mill	No.3/No.1 Mill	Package No.4 No.2 Mill
Permit	A017-30106	A017-30107	A017-30110
Year	Gas Burned	Gas Burned	Gas Burned
Pre 1980	342	1009	240
1980	94	887	105
1981	27	578	171
1982	0	0	0

Note: Natural gas factor 1.1×10^6 Btu/ft³ gas.