

8426-50

**FORM P-2 MANUFACTURER'S DATA REPORT FOR ALL TYPES OF BOILERS  
EXCEPT WATERTUBE AND ELECTRIC**  
As Required by the Provisions of the ASME Code Rules, Section I

Jcb 13-39A  
JW-175

1. Manufactured by SASKATOON BOILER MFG. CO. LTD., 2011 Quebec Avenue, Saskatoon, SK, Canada, S7K 1W5  
(Name and address of manufacturer)  
2. Manufactured for Alco Gas & Oil Production Equipment Ltd., 5203 - 75th Street, Edmonton, AB, Canada, T6E 5S5  
(Name and address of purchaser)  
3. Location of Installation Devon Canada Corporation, Ferrier CPF (LSD: 11-02-038-08 W5M), AB, Canada  
(Name and address)  
4. Type Scotch Marine Boiler No. 4744 W2693.2 B1993D (Rev.0) 862 Year Built 2014  
(HRT, etc.) (Mfr's. Serial No.) (CRN) (Drawing No.) (Nat'l Board No.)  
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 conforms to Section I of the ASME BOILER AND PRESSURE VESSEL CODE 2010  
(Year)  
Addenda to 2011a (if applicable), and Code Cases ---  
(Date) (Numbers)

Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors are attached for the following items of this report:

Boiler Shell Assembly, Calderas Myrsgo, S/N PC-175-1162

(Name of part, item number, mfr's. name and identifying Certification Mark)

6. Shells or drums ---  
(no.) (mat'l. spec. gr.) (thickness) (diameter (ID)) (length, inside) (diameter (ID)) (length, inside)  
7. Joints ---  
(long (seamless, welded)) (efficiency (as compared with seamless)) (girth (seamless, welded)) (no. of shell courses)  
8. Heads ---  
(Material Specification No.: Thickness --- Flat, Dishd, Ellipsoidal --- Radius of Dish)  
9. Tubesheet --- Tube Holes ---  
(Mat'l. Spec., Grade, Thickness) (Diameter)  
10. Boiler Tubes: No. --- (Mat'l. Spec., Grade) (Straight or Bent)  
Diameter --- Length --- Gage ---  
(if various, give max. & min.) (or thickness)  
11. Furnace No. --- Size --- Length, each section --- Total ---  
(O.D. or WxH)  
Type ---  
(Plain, Adamson, Ring Reinforced, Corrugated, Combined, or Stayed)  
Seams: Type ---  
(Mat'l. Spec., Grade, Thickness) (Seamless, Welded)  
12. Staybolts: No. --- Size --- (Diameter, Mat'l. Spec., Grade, Size Telltale, Net Area)  
Pitch --- MAWP --- psi.  
(Horizontal and Vertical)

13. Stays or braces

Location	Material Spec. No.	Type	No. and Size	Maximum Pitch	Fig. PFT-32 L/I	Dist. Tubes to Shell	MAWP
(a) F.H. above tubes	---						
(b) R.H. above tubes	---						
(c) F.H. below tubes	---						
(d) R.H. below tubes	---						
(e) Through stays	---						
(f) Dome braces	---						

14. Other Parts. 1. Drain Piping (NPT) 2. Spare (NPT) 3. Air Vent (NPT)  
(Brief Description -- i.e., Dome, Boiler Piping, etc.)  
1. 1 1/2" Sch 80 SA-106-B, 2000# & 3000# SA-105 Fittings, 800# SWP SA-105 Gate Valve.  
2. 3/4" Sch 80 SA-106-B, 3000# SA-105 Cap.  
3. 1/2" Sch 80 SA-106-B, 1" x 1/2" 6000# SA-105 Fitting, 1/2" 250# SWP SA-105 Ball Valve.  
4. Pressure Gauge Piping (NPT): 1/2" Sch 80 SA-106-B, 3/4" & 1/2" 3000# & 6000# SA-105 Ftg's, 250# SWP SA-105 Ball Valve, 10000# at 500°F SA-105 Gauge Needle Valve, SA-182-F316 & SA-479-TP316 Tube Ftg's, 5/8" x .049"W SA-213-TP316 Tube  
5. Water Arch Drain (NPT): (Qty 2) 2" Sch 80 SA-106-B, 3000# SA-105 Cap.  
6. Water Arch Flush (NPT): 2-1/2" 6000# SA-105 Plug.  
7. Thermowell (NPT): (Qty 2) 3/4" 6000# SA-105 Fitting, 1/2" Mac-Weld Thermowell SA-479-316/L.  
8. Thermowell (NPT): 3/4" 6000# SA-105 Fitting, 1/2" Winters Thermowell SA-249-316/L.  
9. Flow Switch (NPT): 3/4" 316 Stainless Steel Magnetrol TD2, 600 psig at 720°F.  
10. Level Probe (NPT): 2" Warrick 3E2C, 316 Stainless Steel, 205 psig at 406°F.  
11. Spare (NPT): 1" Sch 80 SA-106-B, 3000# SA-105 Cap.  
12. Spare (NPT): 1" 6000# SA-105 Plug.



## FORM P-2

Boiler No. 4744 W2693.2 B1993D (Rev.0) 862  
(Mfr's. Serial No.) (CRN) (Drawing No.) (Nat'l Board No.)

15. Openings: (a) Steam (1) 6" Sch 80 SA-106-B, 300# SA-105 RFWN Flng (b) Pressure Relief Valve (2) 2" NPT 3000# SA-105 Cplg  
(No., Size, and Type) (No., Size, and Type)  
 (c) Blowoff (1) 1 1/2" NPT 3000# SA-105 Cplg, Btm CL (d) Feed (1) 6" Sch 80 SA-106-B, 300# SA-105 RFWN Flng, Top CL  
(No., Size, Type, and Location) (No., Size, Type, and Location)  
 (e) Manholes: No. 1 Size 12" x 16" EL Location Shell, 30° from Top CL  
5 2.75" x 3.5" OB Shell  
 (f) Handholes: No. 1 Size 2.75" x 3.75" EL Location Front Tubesheet

16. Fusible Plug (if used) \_\_\_\_\_  
(No., Diameter, Location, and Mfr's. Certification Mark)

17. Boiler Supports: No. 2 Type Saddles Attachment Welded to Pads on the Shell  
(Saddles, Legs, or Lugs) (Bolted or Welded)

18. MAWP 250 psig Based On PG-46 Heating Surface 830 sq. ft.  
(Code Para. and/or Formula) (Total)

19. Shop Hydrostatic Test 375 psig 20. Maximum Designed Steaming Capacity 6343 lb/hr

21. Remarks - Handhole Covers: SASKATOON BOILER MFG. CO. LTD., 305 psig at 425°F Design, CRN OH0655.324T1N.  
 - Manway Cover: Clark Kennedy, 300 psig at 700°F Design, CRN OH07379.5CR1.  
 - Data Item 15 is part of P-4 Partial Shell Assembly but is added here for additional information.  
 - Internal Corrosion Allowance: 0.0625" (Except tubes, manway cover, handhole covers, and boiler external piping).

## 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 I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization no. 10,255 to use the (S) S Designator expires 28 Feb 2015

Date 21 APR 2014 Signed [Signature] Name SASKATOON BOILER MFG. CO. LTD.  
(Authorized Representative) (Manufacturer)

## CERTIFICATE OF SHOP INSPECTION

Boiler constructed by SASKATOON BOILER MFG. CO. LTD. at Saskatoon, SK, Canada

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by Technical Safety Authority of Saskatchewan

\_\_\_\_\_ have inspected parts of this boiler referred to as data items 14, 17-21

\_\_\_\_\_ and have examined Manufacturer's Partial Data Reports for items 5

\_\_\_\_\_ and state that, to the best of my knowledge and belief, the manufacturer has constructed this boiler in accordance with Section I 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 21 APR 2014 Signed [Signature] Commission M3131AB, SK1165  
(Authorized Inspector) (National Board Commission Number and Endorsement)

## CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

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

Our Certificate of Authorization no. \_\_\_\_\_ to use the (A) or (S) \_\_\_\_\_ Designator expires \_\_\_\_\_

Date \_\_\_\_\_ Signed \_\_\_\_\_ Name \_\_\_\_\_  
(Authorized Representative) (Assembler)

## CERTIFICATE OF FIELD ASSEMBLY INSPECTION

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

\_\_\_\_\_ have compared statements in this Manufacturer's Data Report with the described boiler and state that the parts referred to as data items \_\_\_\_\_, 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 \_\_\_\_\_.

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) (National Board Commission Number and Endorsement)



JOB: 13-39A  
JW-175

FORM P-4 MANUFACTURER'S PARTIAL DATA REPORT  
As Required by the Provisions of the ASME Code Rules, Section I

COPY CORRECTED  
APRIL 21 2014

1. Manufactured by CALDERAS MYRGGG, S.A. DE C.V. AVE. SAN SEBASTIÁN 905  
COL. VALLES DE LINDA VISTA, GUADALUPE NUEVO LEON, 67130 MEXICO , P-4 ID No. P.O.28712

2. Manufactured for SASKATOON BOILER MFG. CO. LTD., 2011 QUEBEC AVE., SASKATOON, SK, CANADA, S7K 1W5  
(Name and address of purchaser:)

### 3. Identification of Part(s)

Name of Part	Quantity	Line No.	Mfr's. Identifying Numbers	Manufacturer's Drawing No.	CRN	National Board No.	Year Built
BOILER SHELL ASS'Y	ONE	6(a), 6(b)	PC-176-1162	B1993D r0	W2693.2	1469	2013
		10(a), 11,		& 1758D28D-M r0)			
		12a					

4. The chemical and physical properties of all parts meet the requirement of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design (as indicated on line 14, Remarks), construction, and workmanship conform to ASME Rules, section I of ASME BOILER AND PRESSURE VESSEL CODE.

2010 Addendum to 2011a (if applicable), and Code Cases

#### 6. (a) Drums:

[illegible][illegible]

\* Indicate if (1) Seamless; (2) Fusion welded.

\* Indicate if (1) Flat; (2) Dished; (3) Ellipsoidal; (4) Hemispherical

6. (b) Boiler tubes

[illegible]

G(c) Headers No.

(Box or shape of wound, Material type, no., Thickness)

### Heads or Ends

### Hydro Test

(Shape, Material spec. no., Thickness)

#### 6.(d) Staybolts

(Material size, no.; Diameter, Size (diameter), No. area)

Pitch

Net Area

SLAYP

1. *Thymus* spp.

(Sensitized by anti-Loh)

#### 6.(c) Mud Drum

(For see: Hardcover, size: Size: Small, Medium, Large, Thick)

## Heads or Tails

iShaker, Material name, no. (technical)

Hydro-Tesi psi

7.(a) Waterfall headers:

## 7(b) Waterwall Tubes

[illegible]



P-4 ID No.

P.O.28712

## 8(a). Economizer Headers

No.	Size and shape	Material Spec No.	Thickness	Heads or Ends		Material Spec No.	Hydro. Test	8 (b) Economizer Tubes		
				Shape	Thickness			Diameter	Thickness	Material Spec No.

## 9(a). Superheater Headers

No.	Size and shape	Material Spec No.	Thickness	Shape	Thickness	Material Spec No.	Hydro. Test	Diameter	Thickness	Material Spec No.

## 9(b) Superheater Tubes

## 10(a). Other Parts (1)

FURNACE

(2)

Water Arch Plates

(3)

Water Arch Cap

## 10(b) Tubes for Other parts

1	28"LD X 113.8"lg	SA-516-70	0.750"	PLAIN						
2	12.38"X 84.81"	SA-516-70	0.750"							
3	3.81"X 84.81"	SA-516-70	0.625"							

## 11. Opening

(1) Steam

(1) 6" NPS CL300# RFWN Flange, sch 80

(2) Pressure Relief Valve

(2) 2" NPS CL300# CLPG

(3) Blowoff

(No., size, and type of nozzles or outlets)

(1) 1 1/2" NPS CL300# CLPG

(4) feed

(1) 6" NPS CL300# RFWN Flange, sch 80 shell top CL

(No., size, type and location of connections)

## 12.

		Maximum Allowable Working Pressure	Code Para. and/or Formula on which MAWP is Based	Hydro. Test	Heating Surface
a	Boiler	260 PSIG	PG-46	375 PSIG	830 SQ-FT
b	Waterwall				
c	Economizer				
d	Superheater				
e	Other Parts				



Heating surface to be stamped on drum heads.

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

## 14. Remarks

- Boiler shell pressure zone and furnace longit. seams radiographed per PW-61. Water Arch Cap and weld received PTI per PG-83
- Tubesheets are SA-516-70 - Manway ring is 12"X18" Elliptical 1 1/2"X 4" SA 106-B - Nozzle pipes are SA-106-B
- Boiler Shell Assembly Received PW-IT Per PW-39. - Design By SASKATOON BOILER MFG. CO. LTD.

## CERTIFICATE OF COMPLIANCE

We certify the statements made in this Manufacturer's Partial Data Report to be correct and that all details of design (as indicated on line 14, Remarks), material, construction, and workmanship of this boiler part conform to section I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No

23559

To use the (PP) or (S)

S

Designator expires

JULY 26, 2015

Date OCTOBER 17, 2013

Signed

RAFAEL CADENA LUNA

(Authorized Representative)

Name

CALDERAS MYRGGGO, S.A. DE C.V.

(manufacturer)

## CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSBCT

have inspected the part of the boiler described in this manufacturer's partial Data Report on OCTOBER 17, 2013, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part 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 part described in this Manufacturer's Partial 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 4-21-14 signed

JOSE A. ORTIZ

(Authorized Inspector)

Commissions

NB.14942,AR;OH1282

(National Board Commission Number and Endorsement)