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Job: 94-60
FWG-500FORM 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

⑦ 413147

1. Manufactured by Saskatoon Boiler Mfg. Co. Ltd., 2011 Quebec Avenue, Saskatoon, Sask.
(Name and address of Manufacturer)
2. Manufactured for Propak Systems Ltd., 505 East Lake Blvd., Airdrie, Alberta T4B 2C3
(Name and address of purchaser)
3. Location of Installation Rife Resources Ltd., Bittern Lake Project, Near Wetaskwin, Alberta
(Name and address)
4. Type Boiler Boiler No. 3896 D8220.2 B113D Year Built 1994
(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, construction, and workmanship conform to Section I of the ASME Boiler and Pressure Vessel Code 1992
(Year)
- Addenda to 1993 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:

N.A.

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

6. Shells or drums: One SA-516-70 0.625" 90" 163"
(no.) (mat'l. spec. gr.) (thickness (in.)) (dia (ID)) (length, inside) (dia (ID)) (length, inside)
7. Joints: Welded Db1. Butt 100% Welded Db1. Butt Two
(long (seamless, welded)) (efficiency (as compared to seamless)) (flish (seamless, welded)) (no. of shell courses)
8. Heads N.A.
(Material Specification No.: Thickness - Flat, Dished, Ellipsoidal - Radius of Dish)
9. Tubesheet SA-516-70 Tube Holes 2.525"
(Mat'l. Spec., Grade, Thickness) (Dia)
10. Boiler Tubes: No. 263 SA-178-A Straight
(Mat'l. Spec., Grade) (Straight or Bent)
- Dia 2.50" Length 163.375" Gauge 0.105" Min.
(if various, give max & min) (or thickness)
11. Furnace No. One Size 38" OD Length, each section 10-3/8" Max. Total 163" Pressure Zone
(OD or W x H)
- Type Ring Reinforced with 15 Rings, Ogee Ring at Front (SA-516-70, .375"T)
(Plain, Adamson, Ring Reinforced, Corrugated, Combined, or Stayed)
- Rings: SA-36, .625"T x 2.5"H
(Mat'l. Spec., Grade, Thickness)
- Furnace: SA-516-70, .625"T Seams: Type Welded Db1. Butt
(Seamless, Welded)
12. Staybolts: No. N.A. Size _____
(Dia, Mat'l. Spec., Grade, Size Teflote, Net Area)
- Pitch _____ MAWP _____ psi.
(Hor. and Vert.)

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13. Stays or Braces

Location	Material Spec. No.	Type	No. & Size	Max Pitch	Total Net Area	Fig. PFT-32 L/1	Dist. from shell to stay	Area to be Stayed	MAWP psi
(a) F.H. above tubes	SA-36	Diag.	14-1.5"	8.67"	22.27	1.155	20.75"	1099.2	200
(b) R.H. above tubes	SA-36	Diag.	14-1.5"	8.67"	22.27	1.155	20.75"	1099.2	200
(c) F.H. below tubes									
(d) R.H. below tubes									
(e) Through stays Water Baffle	SA-36	Thru	18-1.5"	7.70"	31.81	1.0	---	1709.8	200
(f) Dome braces									

14. Other Parts. 1. Water Baffle Plates 2. Water Baffle Cap 3. _____
(Brief Description - i.e., Dome, Boiler Piping, etc.)
1. SA-516-70, 14.625" x 113" Lg. x .625"T, 200 psi MAWP
2. SA-516-70, 3.25" x 113" Lg. x .375"T, 200 psi MAWP
3. _____
(Mat'l. Spec., Grade, Size, Material Thickness, MAWP)

(12/91)

This form (E00088) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

REPRINT 6/92

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15. Openings: (a) Steam (1) 10"x 300# RFWN, Sch. 80 (b) Safety Valve (2) 3" x 300# RFWN, Sch. 80
(No., Size, and Type) (No., Size, and Type)

(c) Blow off (1) 2"x 3000# NPT Cplg., Bott. ♂ (d) Feed (1) 10" x 300# RFWN, Sch. 80, Top ♂
(No., Size, Type, and Location) (No., Size, Type, and Location)

(e) Manholes: No. One Size 12" x 16" Location Shell, 15° from Top ♂
 (f) Handholes: No. Six Size (5) 3.5" x 5" Location Shell
 16. Fusible Plug (if used) N.A. (1) 2.75" x 3.5" Front T.S.
(No., Dia, Location, Mfr's. Stamp)

17. Boiler Supports: No. Two Type Saddles Attachment Welded
(Saddles, Legs, Lugs) (Bolted or Welded)

18. MAWP 200 psi Based On PG-46 Heating Surface 2500 sq ft
(Code Par. and/or Formula) (Total)

19. Shop Hydrostatic Test 300 psig.

20. Remarks None

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 symbol expires 28 Feb. 19 97

Date 1 SEPT 94 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, Sask.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the state or province of Saskatchewan and employed by Saskatchewan Municipal Government

6, 7, 9, 10, 11, 13, 14, 15, 17 have inspected parts of this boiler referred to as data items
 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 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 Sept 94 Signed [Signature] Commissions 0363
(Authorized Inspector) (Nat'l. Board (incl. endorsements), State, Province, 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 I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization no. _____ to use the (A) or (S) _____ symbol expires _____ 19 _____

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/or 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 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 _____ 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 _____ Commissions _____
(Authorized Inspector) (Nat'l. Board (incl. endorsements), State, Province, and No.)

0725 R
Job: 94-60
FWG-500

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Furnace: SA-516-70, .625" T Seams: Type Welded Dbl. Butt
(Mat'l. Spec., Grade, Thickness) (Seamless, Welded)

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(Dia, Mat'l. Spec., Grade, Size Tolerance, Nut Area)

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(Hor. and Vert.)

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