

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by **BROMLEY MECHANICAL SERVICES INC., A division of Argo Sales Ltd., 925 - 23 STREET S.W. MEDICINE HAT, ALBERTA T1A 8R1 CANADA**
 (Name and address of manufacturer)

2. Manufactured for **Ultrafab Industries Ltd., 2907 - 18th Street NE, Calgary, Alberta T2E 7K5**
 (Name and address of purchaser)

3. Location of installation **For Resale**
 (Name and address)

4. Type **Vertical** **828500** **U6461.2** **33157-REG Rev.1** **n/a** **2008**
 (Honz or vert, tank) (Mfr's serial No.) (CRN) (Drawing no.) (Natl. Bd. No.) (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 Rules, Section VIII, Division 1
2007 Edition

to **2007 Addenda** **n/a**
 Addenda (Date) Code Case Nos. Year

6. Shell: **SA516-70N** **1.00"** **0.125"** **24" OD** **7'-6" S/S**
 (Matl, Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I. D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: **Single (Type 1)** **Full** **100%** **n/a** **Single (Type 1)** ***Spot** **70%** **1**
 Long. (Welded, Dbl., Sngl., Lap, Butt) R. T. (Spot or Full) Eff. (%) H. T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R. T. (Spot or Full) Eff. (%) No. of Courses

8. Heads: (a) Matl. **SA516-70N** (b) Matl. **SA516-70N**
 (Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side To Pressure (Convex or Concave)
(a)	TOP	1.00"	0.125"	-	-	2:1	-	-	-	Concave
(b)	BOTTOM	1.00"	0.125"	-	-	2:1	-	-	-	Concave

If removable, bolts used (describe other fastenings) **n/a**
 (Matl., Spec. No., Gr., Size, No.)

9. MAWP **1440** **n/a** **psl. at max. temp.** **130°F** **n/a** ***F.**
 (internal) (external) °F at (internal) (external) psl. Hydro. ~~press.~~ test pressure

Min. design metal temp. **-20** **1440** **2160** **psl.**

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Inlet, Outlet	2	3"	CL600RFLW	SA105N, SA106B	0.600"	SA516-70N	UW16.1e	Shell
PSV, H2O Out	2	2"	TOL	SA105N	3M		UW-16.1a	Shell
Inspection	1	2"	CPLG	SA-182-316L, SA105N	6M		UW16.1e	Top Head, Shell
PI	1	1/2"	TOL	SA105N	3M		UW-16.1a	Shell
TI, H/C Out	2	1"	TOL	SA105N	3M		UW-16.1a	Shell
LG	4	3/4"	TOL	SA105N	3M		UW-16.1a	Shell
LC (2), HLSD	3	2"	TOL	SA105N	3M		UW-16.1a	Shell

11. Supports: Skirt **Yes** **Lugs** **2** **Legs** **Nil** **Other** **Nil** **Attached** **Datum Head/Shell Weld**
 (Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: **n/a**
CA: 0.125" **Impact Testing Exempt Per UG20f(1-5) & UCS66(a)(b)**

Volume: **24.4 cu ft or 0.63 cu m,** (Name of part, item number, Mfr.'s name and identifying stamp)
PSV Supplied by Others Per UG125, Construction Drawing Cad. No. **33157 Rev.0**

CERTIFICATE OF SHOP / FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. **30634**
 expires **10/26/2010**
 Date **Oct 20, 2008** Co. Name **BROMLEY MECHANICAL SERVICES INC.** Signed **[Signature]**
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by **BROMLEY MECHANICAL SERVICES INC.** at **925 - 23 STREET S.W. MEDICINE HAT, ALBERTA T1A 8R1 CANADA**
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of **Alberta** and employed by **ABSA**
 have inspected the component described in this Manufacturer's Data Report on **OCT 20 2008**, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By Signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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 **OCT 20 2008** Signed **[Signature]** Commissions **AB-12**
 (Authorized Inspector) (Natl Board (incl. endorsements), State, Prov. and No.)