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 PENFABCO LTD 5715 - 56 Avenue, Edmonton, Alberta, T6B 3G3 (Name and address of manufacturer)
2. Manufactured for Boomers Services Ltd. P.O. Box 1042 Brooks, Alberta T1R 1B8 (Name and address of purchaser) AE69196
3. Location of installation Stock (Name and address)
4. Type: Vertical (Horiz. or vert., tank) | PE-10671 (Mfgrs serial No.) | R4588.213 (CRN) | PE-8191BB Rev.1 (Drawing No.) | N/A (Nat'l. Bd. No.) | 2007 (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 2004 Year to 2006 Addenda (Date) | N/A Code Case Nos. | N/A Special Service per UG-120(d)
6. Shell: SA-106-B (Matl. (Spec. No., Grade)) | 0.844" (Nom. Thk. (in.)) | 1/16" (Corr. Allow. (in.)) | 14.32" (Diam. I.D. (ft. & in.)) | 7'6" s/s (Length (overall) (ft. & in.))
7. Seams: Smls (Long. (Welded, Dbl., Sngl., Lap, Butt)) | None (R.T. (Spot or Full)) | 100% (Eff. (%)) | N/A (H.T. Temp. (°F)) | N/A (Time (hr)) | Type 1 (Girth (Welded, Dbl., Sngl., Lap. Butt)) | Spot (R.T. [Spot, or Full]) | 70% (Eff. (%)) | 1 (No. of Courses)
8. Heads: (a) Matl. SA-516-70N (Spec. No., Grade) (b) Matl. SA-516-70N (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	0.630"	1/16"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	Bottom	0.630"	1/16"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings) N/A (Matl., Spec. No., Gr., Size, No.)

9. MAWP: 1480 (internal) | N/A (external) psi at max. temp. 100 (internal) | N/A (external) °F
Min. design metal temp. -20 °F at 1480 psi. Hydro., pneu., or comb. test pressure Hydrostatic 2220 psi.
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	1	3"	CL 600 RFWN FLG	SA-106B/SA-105N	Sch XXH	Not Required	UW16.1(c)	Shell
Outlet	1	3"	CL 600 RFWN FLG	SA-106B/SA-105N	Sch XXH	Not Required	UW16.1(c)	Top Head
HLSD, LC, Outlets	5	2"	CPLG	SA-105N	CL 3000	Not Required	UW16.1(a)	Shell
Inspections	2	2.375"	CPLG	SA-105N	CL 3000	Not Required	UW16.1(a)	Shell
Drain	1	2"	PIPE / CPLG	SA-106B/SA-105N	XXH/CL3000	Not Required	UW16.1(c)	Bottom Head
PSV	1	1"	CPLG	SA-105N	CL 6000	Not Required	UW16.1(a)	Shell
TI, LG's	5	3/4"	CPLG	SA-105N	CL 6000	Not Required	UW16.1(a)	Shell
PI	1	1/2"	CPLG	SA-105N	CL 6000	Not Required	UW16.1(a)	Shell

11. Supports: Skirt Yes (Yes or no) Lugs 0 (No.) Legs 0 (No.) Other None (Describe) Attached Welded To Btm Head (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 (Name of part, item number, Mfgr's. name and identifying stamp)

Impact Tests Exempt Per UG-20(f)1-5 RT Per UW11(a)5(b)

Volume: 9.24 cu.ft. (0.26m3) Manufactured To Dwg PE-7725 Rev.1

3 Phase Vertical Separator Pressure Safety Relief Valve Installed by Others Per UG-125(g)

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. 14,383 expires 12/28, 2007
Date June 14, 2007 Co. name PENFABCO LTD (Manufacturer) Signed M Bazyn (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by PENFABCO LTD at 5715 - 56 Avenue, Edmonton, Alberta, T6B 3G3
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 Alberta and employed by ABSA have inspected the component described in this Manufacturer's Data Report on June 14, 2007, 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 June 14, 2007 Signed (Authorized Inspector) Commissions [Nat'l Board (incl. endorsements) State, Prov. and No.]

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