

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

3174638

1. Manufactured and certified by Pentaboo Ltd. 5720 - 103A Street Edmonton, Alberta T6B 2J5
(Name and address of manufacturer)

2. Manufactured for Argo Sales Ltd. P.O. Box 1160 Nisku, Alberta T9E 8A8
(Name and address of purchaser)

3. Location of installation Stock Item
(Name and address)

4. Type Vertical PE-4593 HR699.213 PE-2703-B Rev. 0 N/A 1996
(Name or ref. code) (Mfg's model No.) (Code) (Drawing No.) (Year) (Lot 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. 1995
(Year)

6. Shell: SA-516-70N 1.1250" 1.250" 21.75" 8'0" s/s
(Mat. Spec. No. Grade) (Nom. Thk. In.) (Corr. Allow. In.) (Diam. I.D. In.) (Length Inside I.D. In.)

7. Seams: Full 100% N/A N/A WSB DW1(a)(5)(b) 1
(Long. Transv. Jts. (Welded Jts.)) (R.T. Joints or Full) (ER Fil) (N.T. Temp. °F) (Type Jnt) (Gr. No. and Det. of Jnt) (A.T. Spec. Period or Full) (No. of Elements)

8. Heads: (a) Mat. SA-516-70 (b) Mat. SA-516-70
(Spec. No. Grade) (Spec. No. Grade)

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Crucible Radius	Elliptical Ratio	Coneical Apex Angle	Planimetric Radius	Flare Diameter	Shape or Profile (Concave or Convex)
(a) Top	1.063"	.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b) Bottom	1.064"	.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

(If removable, bolts used (describe other fastenings)) None
(Mat. Spec. No., Gr., Size, etc.)

9. MAWP 1440 psi at max. temp. 100 °F
 Min. design metal temp. -20 °F at 1440 psi. Hydro., pneu., or comb. test pressure 2160 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat.	Nom. Thk.	Reinforcement Mat.	How Attached	Location
Inlet	1	3" 600#	RFWN	SA-105N/SA-106-B	Sch 160	SA-516-70	Welded	Shell
Outlet	1	3" 600#	RFWN	SA-105N/SA-106-B	Sch 160	SA-516-70	Welded	Top Head
PSV	1	2" 600#	RFWN	SA-105N/SA-106-B	Sch 160	N/A	Welded	Top Head
Drain	1	2" 3000#	Colg	SA-105N	N/A	N/A	Welded	Bottom Head

11. Supports: Shell Yes No Legs No Other No Attached Welded to Shell

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:
 Ultimate Owner: Argo Sales Ltd. Impact Tests Not Required Per U320(f)1to5
 P.O. Box 1160 Nisku, Alberta T9E 8A8 Volume: 700 3-Phase Separator
 Continued on U-4 Supplementary Sheet

CERTIFICATE OF SHOP 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 12-22, 19 99.

Date: Dec 27/96 Co. name: Pentaboo Ltd. Signed: M. Gagnier (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Pentaboo Ltd. at Edmonton, Alberta

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 Alberta Boilers Safety Association

have inspected the component described in this Manufacturer's Data Report on Dec 27, 1996, 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: Dec 27, 1996 Signed: [Signature] Commission: Alberta #11
(Print Name and Registration, State, Prov. and No.)

The form (200117) may be obtained from the ASME Order Dept., 22 Law Center, Box 2986, Fairfield, NJ 07004-2986