

**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: LARSEN & D'AMICO MFG. LTD. 9805 - 51 Avenue, Edmonton, Alberta T6E 4W8  
 (Name and Address of Manufacturer)
2. Manufactured for: ARGO SALES LTD., PO BOX 618, St John, B.C., V1J 4H6  
 (Name and Address of Purchaser)
3. Location of installation: RESALE  
 (Name and Address)
4. Type: VERT. SEPARATOR VS-12544 R7905.21 LD-5263-A REV 0 N/A 2005  
 (Hoiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing No.) (Nat'l. 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 2001  
 (Year)
- to 2003 N/A N/A  
 Addenda (Date) Code Case Numbers Special Services per UG-120(d)
6. Shell: SA-106-B 0.375" 0.0625" 16" OD 5'-0" S/S  
 Mat'l. (Spec. No., Grade) Nom. Thk. (in) Corr. Allow. (in) Diam. I.D. / O.D. Length (overall) (ft & in)
7. Seams: S N/A 100 1150 1 HR TYPE 1 FULL UW-11(a) ONE  
 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/Partial/Full) No. of courses
8. Heads: (a) Mat'l SA-234-WPB (b) Mat'l SA-234-WPB  
 (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	0.328"	0.0625"			2:1				CONCAVE
(b)	BOTTOM	0.328"	0.0625"			2:1				CONCAVE

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

9. MAWP 285 psi at max. temp. 100 °F.  
 Min. design metal temp. -20 °F at 285 psi. Hydro. pneu., or comb. Test pressure 428 psi

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain)	No.	Diam. or Size	Type	Mat'l	Nom. Thk.	Reinforcement Mat'l	How Attached	Location
SEE ATTACHED U4 FORM								

11. Supports: Skirt YES Lugs N/A Legs N/A Other N/A Attached BTM HEAD/WELDED  
 (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  
 (Name of part, item number, Mfg's name and identifying stamp)  
IMPACT TESTING-NO-EXEMPT PER UG-20(f) PARAGRAPHS 1 to 5

**PSV TO BE PROVIDED BY OTHERS**

Volume: 0.21 cubic meters, Weight: 376 kgs, Fabrication Drawing No. LD-5263-A REV 1 L&D WO# 4669 Item # VS3

**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. 14254 Expires October 28, 2007

Date FEB 19/05 Company name Larsen & D'Amico Manufacturing Ltd Signed [Signature]  
 (Manufacturer) (Representative)

**CERTIFICATE OF SHOP/FIELD INSPECTION**

Vessel constructed by: Larsen & D'Amico Manufacturing Ltd. at 9805-51 Avenue, 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 Feb 23, 05 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 FEB 23 2005 Signed [Signature] Commissions Alberta 19695A  
 (Authorized Inspector) (National Board (include Endorsements) State, Prov. and No.)

