

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

1. Manufactured and certified by: **LARSEN & D'AMICO MFG. LTD. 9805 - 51 Avenue, Edmonton, Alberta T6E 4W8**
(Name and Address of Manufacturer) A 414137
2. Manufactured for: **ARGO SALES LTD., P.O. BOX 1160, NISKU, ALBERTA, T9E 9A8**
(Name and Address of Purchaser)
3. Location of installation: **RESALE**
(Name and Address)
4. Type: **Vertical** (Horz. Vert. Tank, etc.) **VS-7845** (Mfg'r's serial No.) **H-9427.12** (CRN) **LD-3349-A REV. 0** (Drawing No.) **N/A** (Nat'l. Bd. No.) **1996** (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** to **1995**
(Year) Addenda (Date)
- N/A** Code Case Numbers **N/A** Special Services per UG-120(d)
6. Shell: **SA-516-70 MT** (Mat'l. (S; ac. No., Grade)) **3/4"** (19.05) (Nom. Thk. (mm)) **1/16"** (1.6) (Corr. Allow. (mm)) **30" O.D. (762)** (Diam I.D. / O.D. (mm)) **120"** (3048) (Length Overall (mm))
7. Seams: **DBL BUTT** (Long. (Welded, Dbl Sngl., Lap, Butt)) **FULL** (R.T. (Spot or Full)) **100** (Eff. (%)) **1150 °F 621.1 °C** (H.T. Temp.) **45 MIN.** (Time (hr.)) **DBL BUTT** (Girth (Welded, Dbl., Sngl., Lap, Butt)) **FULL UW11(a)** (R.T. (Spot/Partial/Full)) **1** (No. of Courses)
8. Heads: (a) Mat'l: **SA-516-70 MT** (Spec. No. Grade) (b) Mat'l: **SA-516-70 MT** (Spec. No. Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness in. (mm)	Corrosion Allowance in. (mm)	Crown Radius in. (mm)	Knuckle Radius in. (mm)	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Profile (Concave or Convex)
(a)	TOP	0.720" (18.29)	1/16" (1.6)	0" (0.00)	0" (0.00)	2:1				CONCAVE
(b)	BOTTOM	0.720" (18.29)	1/16" (1.6)	0" (0.00)	0" (0.00)	2:1				CONCAVE

If removable, bolts used (describe other fastenings)

N/A
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP **720 psi** **4964 Kpa** at max. temp. **100 °F 36 °C** Min. design metal temp. **-20 °F -29 °C**
at **720 psi** **4964 Kpa** Hydro Test pressure **1080 psi** **7447 Kpa**

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** (Yes or No) Lugs **N/A** (No) Legs **N/A** (No) Other **N/A** (Describe) Attached **BTM HEAD / WELDED** (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: **IMPACT TESTS EXEMPT PER UG-20(f) PARAGRAPHS 1 - 5** ****HEAD CALCULATED Min. 11 / 16 in. (17.46 mm)**

Type: **3 PHASE VERTICAL SEPARATOR** **** STRESS RELIEF / FULL X-RAY BY CUSTOMER REQUEST** WO# **3560** Item # **VS**
Weight: **3880** lbs. **1754.98** (kg) Hydrotest Position: **HORIZONTAL**
Capacity: **49.3** cu.ft. **1.40** (cu. Meters) Fabrication Drawing No. **LD-3349-A REV. 1**

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. **14264** Expires **October 28, 1998**

Date **December 10, 1996** Company Name **Larsen & D'Amico Manufacturing Ltd** Signed **Elvis Jacobelli**
(Manufacturer) (Representative)

CERTIFICATE OF SHOP 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** has inspected the component described in this Manufacturer's Data Report on **Dec. 10, 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. 10, 96** Signed **Schmitt Rubin** Commissions **Alberta #64A**
(Authorized Inspector) (National Board (include Endorsements) State, Prov. and No.)

