(A) 549044

CORRECTED COPY

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 1160, NISKU, ALBERTA, T9E 8A8**
(Name and Address of Purchaser)

3. Location of installation: **RESALE**
(Name and Address)

4. Type: **HORIZONTAL SEPARATOR** (Horiz. or vert. tank) | **HS-13256** (Mfgr's serial No.) | **L8586.213** (CRN) | **LD-3911-A1/A2 rev 0** (Drawing No.) | **N/A** (Nat'l. Bd. No.) | **2006** (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 **2005** (Addenda (Date)) | **N/A** (Code Case Numbers) | **N/A** (Special Services per UG-120(d))

6. Shell: **SA-516-70N** (Matl. (Spec. No., Grade)) | **1.75"** (Nom. Thk. (in)) | **0.125"** (Corr. Allow. (in)) | **42" ID** (Diam I.D. / O.D.) | **12'-0" s/s** (Length (overall) (ft & in))

7. Seams: **TYPE 1** (Long. (Welded, Dbl Sngl., Lap, Butt)) | **FULL** (R.T. (Spot or Full)) | **100** (Eff. (%)) | **1150** (H.T. Temp. °F) | **1.75HR** (Time (hr.)) | **TYPE 1** (Girth (Welded, Dbl., Sngl., Lap, Butt)) | **FULL 100%** (R.T. [Spot, Eff.(%) or Full]) | **TWO** (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)	END	1.6875"	0.125"		-	2:1	-	-	-	CONCAVE
(b)	END	1.6875"	0.125"	-	-	2:1	-	-	-	CONCAVE

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

9. MAWP: **1440** (Internal) _____ (External) psi at max. temp. **130** (Internal) _____ (External) °F

Min. design metal temp. **-8** °F at **1440** psi. Hydro. pneu., or comb. Test pressure **2160 (HYDRO)** 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 **N/A** (Yes or No) Lugs **N/A** (No.) Legs **N/A** (No.) Other **TWO SADDLES** (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: N/A
(Name of part, item number, Mfg's name and indentifying stamp)

IMPACT TEST EXEMPT PER UG-20(f) PARAGRAPHS 1-5, UCS-66(g), UCS-66 CURVE D

WHEN A PRESSURE RELIEF DEVICE (PSV, PRV, ETC.) IS NOT SPECIFIED ON THE NOZZLE SCHEDULE IT WILL BE PROVIDED BY OTHERS IN THE PIPING.

Volume: **126** cubic feet, Weight: **15625** lbs, Fabrication Drawing No. **LD-3911-A1/A2 rev1** L&D WO# **4816** Item # **HS**

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 MAY 03/06 Company name **Larsen & D'Amico Manufacturing Ltd** (Manufacturer) Signed _____ (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 **ABSA**

have inspected the component described in this Manufacturer's Data Report on MAY 03, 2006 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 ~~MAY 03/06~~ Nov. 03 2006 Signed _____ (Authorized Inspector) Commissions **Alberta** AB 94A [National Board (include. Endorsements) State, Prov. and No.]

Ⓐ 549044

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

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 1160, NISKU, ALBERTA, T9E 8A8** Ⓐ 549044
(Name and Address of Purchaser)

3. Location of installation: **RESALE**
(Name and Address)

4. Type: **HORIZONTAL** (Horz, Vert, or Sphere) **SEPARATOR** (Tank, Sep., Heat Exh., Etc.) **VS-13256** (Mfgr's Serial No.) **L8586.213** (CRN) **LD-3911-A1/A2 rev0** (Drawing No.) **N/A** (Nat'l. Bd. No.) **2006** (Year Built)

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material	Nominal Thk.	Reinforcement Material	How * Attached	Location
N1(INLET)	1	6"NPS	CL600 RFLWN	SA-350-LF2	1.38"		1	HEAD
N2(OUTLET)	1	6"NPS	CL600 RFLWN	SA-350-LF2	1.38"		1	SHELL
N3(DRAIN)	1	2"NPS	CL600 RFWN	SA-105N	0.343"		2	SHELL
	1	2"NPS	PIPE	SA-106-B	0.343"			
N4(WATER OUT)	1	3"NPS	CL600 RFHB	SA-350-LF2	1.24"		1	SHELL
N5(WATER LC)	1	4"NPS	CL600 RFHB	SA-350-LF2	1.62"		1	SHELL
N6(PSV)	1	3"NPS	CL600 RFHB	SA-350-LF2	1.24"		1	SHELL
N7(HC LC)	1	4"NPS	CL600 RFHB	SA-350-LF2	1.62"		1	SHELL
N8(HC OUT)	1	3"NPS	CL600 RFHB	SA-350-LF2	1.24"		1	SHELL
N9(LSDH)	1	3"NPS	CL600 RFHB	SA-350-LF2	1.24"		1	SHELL
N10(HC DRAIN)	1	2"NPS	CL600 RFWN	SA-105N	0.343"		2	SHELL
	1	2"NPS	PIPE	SA-106-B	0.343"			
C1 A/B	2	0.75"NPS	HALF CPLG	SA-105N	CL6000		2	SHELL
(WATER LG)								
C2 A/B	2	0.75"NPS	HALF CPLG	SA-105N	CL6000		2	SHELL
(HC LG)								
C3(TI)	1	0.75"NPS	HALF CPLG	SA-105N	CL6000		2	SHELL
C4(PI)	1	0.50"NPS	HALF CPLG	SA-105N	CL6000		2	SHELL
MN	1	18" ID	CL600 RFHB	SA-350-LF2	2.60"		1	HEAD
(MANWAY/INSP)								

*** 1) PER FIG UW 16.1 (c) 2) PER FIG UW 16.1 (a)**

Certificate of Authorization: Type: **U** No. **14254** Expires **OCTOBER 28** **2007**

Date MAY 03/06 Name **LARSEN & D'AMICO MFG. LTD.** Signed (Manufacturer) (Representative)

Date MAY 03/06 Name (Authorized Inspector) Commission **Alberta** AB 94A
[Nat'l Board incl. Endorsement, State, Province and No.]