

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: **FOR RESALE**
 (Name and Address)

A 524412

4. Type: **HORIZONTAL** **HS-12917** **P-0183.21** **LD-4016-A1/A2 REV 0** **N/A** **2005**
 (Horiz 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 **2004**
 (Year)

to Addenda (Date) **N/A** Code Case Number **N/A** (List reference per UG-100)

6. Shell: **SA-516-70N** **1.25"** **0.125"** **60" OD** **15'-0" S/S**
 Mat'l (Spec No Grade) Nom. Thk (in) Cor Allow (in) (diam ID) (ID) Length (overall) (ft & in)

7. Seams: **TYPE 1** **FULL** **100** **1150** **90 MIN** **TYPE 1** **FULL** **2**
 Long. (Welded, Dbl Sngl, Lap, Butt) R.T. (Spot or Full) Eff (%) H.T. Temp. (F) Time (hr) Length (Welded, Dbl Sngl, Lap, Butt) R.T. (Spot, Eff (%) or Full) No. of courses

8. Heads: (a) Mat'l **SA-516-70N** (Spec No Grade) (b) Mat'l **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	1.1875"	0.125"			2:1				CONCAVE
(b)	END	1.1875"	0.125"			2:1				CONCAVE

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

9. MAWP: **720** **125** **1080 (HYDRO)**
 (Internal) (External) psi at max. temp. (Internal) (External) psi
 Min. design metal temp **-20** °F at **720** psi Hydro pneu. or comb Test pressure

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 **NO** Lugs **NO** Legs **NO** Other **TWO SADDLES** Attached **SHELL 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:

(Name of part, item number, Mfg's name and identifying stamp)
IMPACT TESTING EXEMPT- PER UG-20(f) PARAGRAPHS 1 TO 5
PER UCS-66 CURVE D, ITEM 1 & 2
PER TABLE UCS-66 CURVE C, ITEM 10, 11, 16, AND 39 (UCS-68(c) APPLIES)
IF NOT SPECIFIED IN THE NOZZLE SCHEDULE, PSV WILL BE PROVIDED BY OTHERS IN THE PIPING

Volume: **303** cubic feet, Weight: **19,807** lbs, Fabrication Drawing No. **LD-4016-A1 REV 2/A2 REV 1** L&D WO# **4727** 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,**
 Date **July 27/2005** 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 **ABSA**

have inspected the component described in this Manufacturer's Data Report on **July 27 2005** 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 **July 27/05** Signed *[Signature]* Commissions **Alberta 136A**
 (Authorized Inspector) (National Board (include Endorsements) State, Prov. and No.)

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**
(Name and Address of Purchaser) A 1244/12
3. Location of installation: **FOR RESALE**
(Name and Address)
4. Type: **HORIZONTAL** **3-PHASE SEPARATOR** **HS-12917** **P-0183.21** **LD-4016-A1/A2 REV 0 N/A** **2005**
(Horiz. Vert. or Sphere) (Tank, Sep., Heat Exh., Etc.) (Mfg's Serial No.) (DRN) (Drawing No.) (Nat'l Bd. No.) (Year Built)

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material	Nominal Thk.	Reinforcement Material	How * Attached	Location
N1(INLET)	1	8"NPS	cl 300 RFLWN	SA-105N	1.13"		1	HEAD
N2(GAS OUTLET)	1	8"NPS	cl 300 RFLWN	SA-105N	1.13"		1	SHELL
N3(WATER DRAIN)	1	2"NPS	cl 300 RFWN	SA-105	0.344"		2	SHELL
		2"NPS	PIPE	SA-106-B	0.344"			
N4(WATER OUT)	1	3"NPS	cl 300 RF "HB"	SA-105N	1.24"		1	SHELL
N5(WATER LLC)	1	4"NPS	cl 300 RFLWN	SA-105	0.88"		1	SHELL
N6(PSV)	1	4"NPS	cl 300 RFLWN	SA-105	0.88"		1	SHELL
N7(OIL LLC)	1	4"NPS	cl 300 RFLWN	SA-105	0.88"		1	SHELL
N8(OIL OUT)	1	3"NPS	cl 300 RF "HB"	SA-105N	1.24"		1	SHELL
N9(LSDH)	1	3"NPS	cl 300 RFLWN	SA-105N	0.81"		1	SHELL
N10(OIL DRAIN)	1	2"NPS	cl 300 RFWN	SA-105	0.344"		2	SHELL
		2"NPS	PIPE	SA-106-B	0.344"			
C1A/B(WATER LG)	2	3/4"NPS	CPLG	SA-105	cl 6000		2	SHELL
C2 A/B(OIL LG)	2	3/4"NPS	CPLG	SA-105	cl 6000		2	SHELL
C3(TI)	1	3/4"NPS	CPLG	SA-105	cl 6000		2	SHELL
C4(PI)	1	1/2"NPS	CPLG	SA-105	cl 6000		2	SHELL
MANWAY (INSP)	1	18"ID	cl 300 RF "HB"	SA-105N	2.38"		1	HEAD

* 1) PER FIG UW 16 (c) 2) PER FIG UW 16 (a)
Certificate of Authorization: Type: **U** No. **14254**

Expires **OCTOBER 28 2007**

Date July 27/2005 Name **LARSEN & D'AMICO MFG. LTD.**

Signed [Signature]
(Manufacturer) (Representative)

Date July 27/05 Name [Signature]
(Authorized Inspector)

Commission **Alberta 136A**
[Nat'l Board incl. Endorsement, State, Province and No.]