



Facsimile

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To: Carter Biggs	From: Scott Crossley
Fax: 631 344-4592	Fax: 610 791-2402
Phone:	Date: 2/21/2006
Re: U-1A Form	Pages: 2

Urgent For Review Please Comment Please Reply Please Recycle

Carter,

Here is a copy of the U1 form for the tank that is being installed on Feb. 28th.

Let me know if you have any questions.

Regards,

Scott Crossley
Acme Cryogenics
Field Service Coordinator

FORM U-1A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by Linde Company, Division of Union Carbide Corp., Tonawanda, New York
(Name and address of Manufacturer)

2. Manufactured for Linde Company, Division of Union Carbide Corp., New York, New York
(Name and address of Purchaser)

3. Type Horiz. Vessel No. (600VCC-208) (Mfg. Serial) (State & State No.) Natl. Bd. No. 6363 Yr. Built 1965

4. SHELL: Matd SB209GM41A-0 T.S. 38,000 Nom. 1-5/16" Cor. 2-3/8"
(Kind and Spec. No.) (Wt. or P.N. & Spec. Min. T.S.) (State or State No.) In. Diam. 7 Ft. In. Lgth. 20 Ft. 9 In.

5. BEAMS: Long WDB S.R. No X.R. Spot No Efficiency 80 %
(Welded, D.M., Single, Long, Built) (Yes or No) (Spot or Complete) (Yes or No)
Short WDB S.R. No X.R. Spot No No. of Coupons 2

6. HEADS: (a) Material SB209GM41A-0 T.S. 38,000 (b) Material T.S.
(Type, Bottom, Code) (Welded) (Yes or No) (Spot or Complete) (Yes or No) (State or State No.)
(a) Ends 1.875" Min. Ell. 2:1 7-3/8" Concave
(b) _____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. Constructed for (Int. 219 psi) pressure of _____ per Max Temp 100 °F Design 423 °F Hydrostatic Test 330 psi

8. SAFETY OR RELIEF VALVE OUTLETS: Number _____ Size _____ Location _____

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Method	How Attached
	3	1.375"	Machined	Alum.	.370"		Welded
	4	2.375"	Connection	Alum.	.340"		Welded

10. INSPECTION MANHOLES, NO. _____ SIZE _____ LOCATION _____

OPENINGS HANDHOLES, NO. _____ SIZE _____ LOCATION _____

THROUGHTS, NO. _____ SIZE _____ LOCATION _____

11. SUPPORTS: SHIRT NO. _____ LEGS _____ ATTACHED Welded to shell
(Yes or No) (Number) (Number) (Describe) (Where or How)

12. REMARKS:

Vessel to be used for storage of liquefied gas. Built in accordance with 1959 ASME Unfired Pressure Vessel Code

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Unfired Pressure Vessels.
Date 8-20-65 19 _____ Signed Linde Co., Div. of U.C.C. By C. C. Beynon
(Manufacturer)
Certificate of Authorization Expires December 31, 1967

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. T389-465333

VESSEL MADE BY Linde Co., Div. of Union Carbide Corp., Tonawanda, New York

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in TRUSTEES State of Conn. and employed by Travelers Indemnity Co. inspected internally and externally, the vessel described in this report on 8-20-65 19 _____ and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

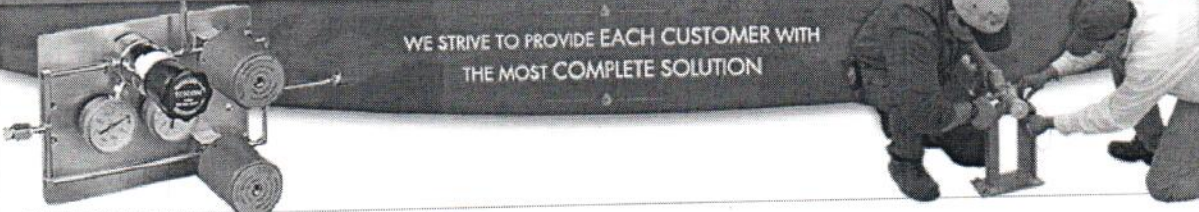
Date 8-20-65 19 _____
Inspector's Signature A. L. Hayes Commission N.B.#3787, Penna. 1697 & Ohio
State or Natl. Bd. & Number



SEARCH > GO

TEL: 800.422.2790 | FAX: 610.791.2402 | 2801 MITCHELL AVE, ALLENTOWN, PA 18103

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NEW VAPORIZERS AT RESALE PRICES

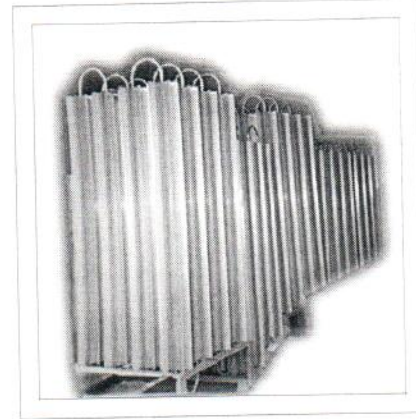
SAVE!!!

Acme now offers new ambient vaporizers at competitive prices! We offer high and low pressure cryogenic vaporizer models to meet your requirements.

Contact Vessel & Equipment Resale Manager at 770-614-8329 or via Email for more information.

NEW VAPORIZER LISTING

Size	Range	Warranty
3,000 SCFH	500 psi	2 yr.
5,000 SCFH	500 psi	2 yr.
10,000 SCFH	500 psi	2 yr.
15,000 SCFH	500 psi	2 yr.
20,000 SCFH	500 psi	2 yr.
5,000 SCFH	3,500 psi	2 yr.
5,000 SCFH	4,500 psi	2 yr.
5,000 SCFH	5,000 psi	2 yr.
10,000 SCFH	3,500 psi	2 yr.
10,000 SCFH	4,500 psi	2 yr.
10,000 SCFH	5,000 psi	2 yr.
15,000 SCFH	3,500 psi	2 yr.
15,000 SCFH	4,500 psi	2 yr.
15,000 SCFH	5,000 psi	2 yr.
20,000 SCFH	3,500 psi	2 yr.
20,000 SCFH	4,500 psi	2 yr.



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TEL: 800.422.2790

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Tank Specials - Priced to Sell!!!



Fully Remanufactured, Stainless Steel Piping

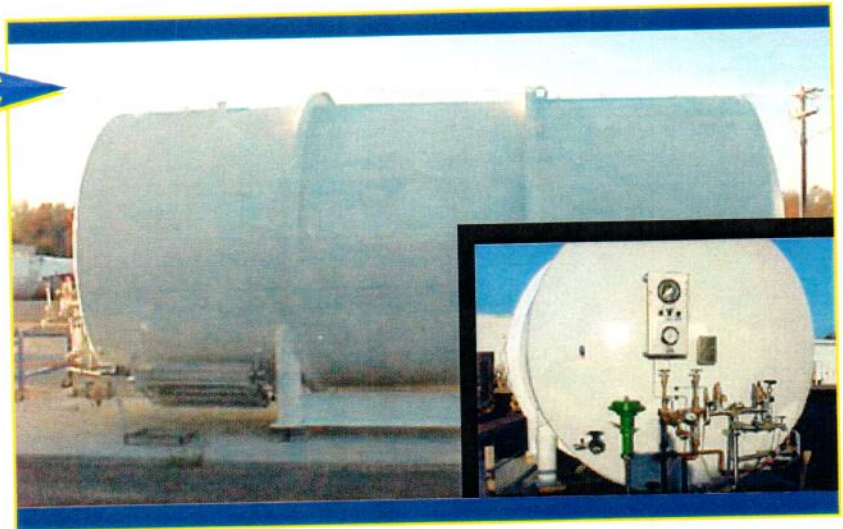
- 1020 gal. Ryan, SS, 245 psig MAWP, Vertical Tank
- Completely Remanufactured with Stainless Steel Piping
- 1 Year Warranty (vacuum, workmanship)
- Nitrogen Service
- FOB Houston, TX

Priced at: **\$13,000**

Horizontal Remanufactured Tank, Ready for You

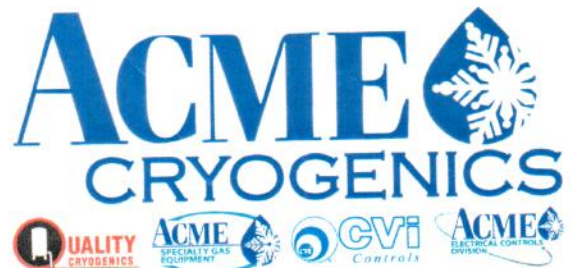
- 6000 gal. Linde, AL, 219 psig MAWP, Horizontal Tank
- 1965 Model, Completely Remanufactured
- 1 Year Warranty
- Suitable for Lin service
- FOB MN

Priced at: **\$36,500**



Contact Penny for Details
800-422-2790, ext. 320
pkornet@acmecryo.com

Additional tanks also available. Visit us online at www.acmecryo.com for a complete listing.



www.acmecryo.com

(COV)

FIELD SERVICE REPORT

Service Call Preventative Maintenance Inspection

Industrial Installation Medical Installation

Product: O₂ N₂ AR N₂O CO₂ H₂ HE Fuel Gas

Brockhaver National Lab
Customer Name Customer Number

KARZ
Tank Code Serial Number

Building 1008
Address

5200 Gallon LINDE 1965
Tank Size Tank Manufacturer Year Built

Reason for Service: (1) TO complete the purging cooldown and
filling of COV installed by ACME Cryogenics on 02/28/06
I.O.P. survey was completed on 02/28/06.

Service Performed: (1) Write recombiner information on tank
depressurization survey, then assisted with the
purging cooldown and filling of storage vessel. Tank
filled at 52 InH2O.

Maintenance Inspection Checklist

Tank Pressure _____ Liquid level reading _____ Liquid level gauge zeroed Yes or No

Tank pressure gauge readable & working Yes or No Final line pressure gauges operational Yes or No

Final line setting _____ Check diverter valve operation Yes or No

Comments:
(1) Customer will apply the MAP (216 PSIG) level after
pressure washing tank.

Carter Bupp 3/1/06
Customer Signature Date

Daniel L. Allen 03/01/06
Service Technician Signature Date

DATA		
ENTRY	System <u>04</u>	Reason <u>10</u>
CODES	Symptom <u>01</u>	Service <u>01/10</u>

Tank Over Pressurization Data Sheet
for Tech Service

Linde Gas] *Linde*

Prevention of Excessive Pressure
General Information

Check appropriate box or form will be returned

COV		(Linde or Lifegas)
Linde		
Lifegas		

_____ Date of Inspection
 _____ Tank Code
 _____ Tech Name
 _____ Tech Region (Day - Wauk - Can - Boz - South)
BRLICKHAVEN LRD
Building 1008
UPTON
N.Y
11973

_____ Customer Name
 _____ Customer Street Address
 _____ Customer City
 _____ Customer State
 _____ Zip Code

Tank Information to be filled out by Field Service Technician

LINDE Tank Manufacturer
1965 Year of Manufacturer
600VCC-208 Tank Manufacturer's Serial Number
6363 ASME National Board Number
5200 Capacity (Gallons)
216 MAWP (PSI)
 _____ Design Pressure (PSI) If MAWP is not Available
N₂ Service (O₂, N₂, Ar)

Vertical _____ Horizontal (Check One) (Tank Orientation)

Dimensions

128" (inches) Tank Height (Ground to Top)
280" (inches) Tank Length (Head to Head Only)
120" (inches) Tank Diameter

Fill Connector Characteristics

Aux. Ground Mount Flange - Horseshoe - Strap - Bracket (Circle One Mounting Type)

Bottom Fill Characteristics

1 1/2" Bottom Fill Line Size (From Fill Connector)
Goddard Bottom Fill Valve Manufacturer
Globe Bottom Fill Valve Type (Globe - Gate - Ball)
600 WOG 1 1/2" Bottom Fill Valve Size + WOG or CWP Model # 745 series
1 1/2" Bottom Fill Line Size Exiting Tank

Fill Line Check Valve Characteristics

Goddard Fill Line Check Valve Manufacturer
 Swing _____ Lift 1 1/2" T Check _____ Fill Line Check Valve Type SPRING
 _____ Fill Line Check Valve Size



Inc.

STRAIGHT BILL OF LADING - Short Form - Original

Shipper

Chart, Inc.

407 7th Street NW

New Prague, MN 56071

Shipment Information

Ship Date: 2-24-06

Shipper's No: 593650

Consignee Ref # or PO #: PR19913

Carrier Name: -

Billing Terms: **THIRD PARTY BILL**

ENTER TOTAL INVOICE VALUE OF PRODUCT IF **C.O.D.** > FOR CARRIER TO COLLECT: \$

Consignee

Acme Cryogenics
Setup Shipping

Third Party Bill To Address

Acme Cryogenics

Allen town PA 18105

National Motor Freight Classification

Package Description

PIECES

WEIGHT

NMFC#,181670 (LARGE STORAGE) CLASS 85 horizontal 6000

1

28500

SU-208

MB-6363

SHIPMENT TOTALS: PIECES: 1 WEIGHT: 28500

(HANDLE PRODUCT WITH CARE)

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor: [Signature]

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier or shipper's weight. NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the Consignor to not Exceed \$ 10,000

The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Classification

Vent Line Characteristics

40" (inches) Total Vent Line Length From Outer Shell to Diverter Valve or Rupture Disk (if Single Safety)

1 1/2" (inches) Vent Line Size

16" (inches) Total Line Length From Diverter Valve to Rupture Disc

1 1/2" (inches) Vent Line Size Exiting Tank

Rupture Disc - Relief Valve - Diverter Valve Characteristics

3/4" (inches) Rupture Disc Size

B5 + B Rupture Disc Manufacturer

Threaded Rupture Disc Type (Frangible, Union)

2 Quantity of Rupture Disc (2 on a Dual Safety Configuration)

1 1/2" (inches) Diverter Valve Size (if Equipped)

Worcester Diverter Valve Manufacturer

Ball Diverter Valve Type

C466 DMSW Diverter Valve Model Number (Example: DN20, DN32)

1" x 1 1/4" Relief Valve Size

2 Quantity of Relief Valves (2 on a Dual Safety Configuration)

- YES NO Is the tank pressure gauge visible to the driver?
- YES NO Is the tank pressure gauge a minimum of 4"?
- YES NO Is the tank MAWP decal clearly visible to the driver?

Corporate Use Only

Recommendations for Modifications or Repairs	
Tank Code#	Recommended By:
	Date of Recommendation
	Priority#

Comments
