



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 MVE, INC., 407 7th ST., NW, NEW PRAGUE, MN 56071
 (Name and address of manufacturer)

2. Manufactured for STOCK
 (Name and address of purchaser)

3. Location of installation STOCK
 (Name and address)

4. Type VR-14 TON 234 - D10645718 51156 1995
 (Horiz or Vert Tank) (Mfr'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 1992
 to A-94 NA NA
 Addenda (Date) Code Case Nos Special Service per UG-120(d)

6. Shell SA 612 .785" 0 7' 0" 8' 4"
 Mat'l (Spec No, Grade) Nom Thk (in) Corr Allow (in) Diam ID (ft & in) Length (overall) (ft & in)

7. Seams: TYPE 1 FULL 100 NA NA TYPE 2 FULL 1
 Long (Welded, Double, Single, Lap, Butt) RT (Spot or Full) Eff (%) HT Temp (F) Time (hr) Girth (Welded, Double, Single, Lap, Butt) RT (Spot, Partial, or full) No of courses

8. Heads: (a) Mat'l SA 612 (b) Mat'l SA 612
 (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	.771"	0	NA	NA	2:1	NA	NA	NA	CONCAVE
(b)	BOTTOM	.771"	0	NA	NA	2:1	NA	NA	NA	CONCAVE

If removable, bolts used (describe other fastenings) NA
 (Mat'l, Spec No, Gr, Size, No)

9. MAWP 350 psi at max. temp. 100 °F
 Min. design metal temp. -30 °F at 350 psi Hydro., pneu., or comb test pressure 560 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Mat'l	Nom. Thk.	Reinforcement Mat'l	How Attached	Location
BF,AL,AL	3	2.375"OD	W.E.	SA479 T304	.347"	NA	UW16.1e	NA
FT,V,AV,AV	4	2.375"OD	W.E.	SA479 304	.347"	NA	UW16.1e	NA
HYDRO	1	3.00"OD	CPLG.	SA479 T304	.635"	NA	UW16.1e	NA
LP	1	1.00"OD	W.E.	SA479 T304	.305"	NA	UW16.1e	NA
XRAY	2	1.75"OD	W.E.	SA479 T304	.250"	NA	UW16.1e	NA

11. Supports: Skirt NO Lugs NA Legs NA Other HUB Attached 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: NA
 (Name of part, item number, Mfr's name and identifying stamp)

VACUUM JACKETED VESSEL. DESIGN PRESSURE IS 370 PSI. INNER VESSEL CODED ONLY. HYDRO PORTS ARE PLUGGED AND SEAL WELDED. TEST POSITION IS HORIZONTAL.

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. 8377 expires JANUARY 15 1998
 Date 9/28/95 Co. name MVE, INC. Signed [Signature]
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MVE, INC. at NEW PRAGUE, MN 56071
 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 MINNESOTA and employed by COMMERCIAL UNION INSURANCE COMPANY
 have inspected the component described in this Manufacturer's Data Report on SEPTEMBER 28, 1995, 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 10-4-95 Signed [Signature] Commissions UB1996 & MN 91017
 (Authorized Inspector) (Nat'l Board incl endorsements, State, Prov. and No.)