

13800

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 Tolan Machinery Co., Inc., 164 Franklin Avenue Rockaway, NJ 07866
 (Name and address of manufacturer)

2. Manufactured for Merck & Co Rahway NJ
 (Name and address of purchaser)

3. Location of installation Merck & Co 3517 Radium Spring Road Albany Ga.
 (Name and address)

4. Type: Horiz 8050 - D-8050-A 2672 2001
 (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 1998
 Year

to 1999 - -
 Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-240 Ty 316L 1/2" - 7'-11" 19'-9"
 Matl. (Spec No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Dbl Butt Spot 85 - - Dbl butt Spot 2
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA-240 Ty 316L (b) Matl. SA-240 Ty 316L
 (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)	End	3/8"	-	96"	6"	-	-	-	-	concave
(b)	End	3/8"	-	96"	6"	-	-	-	-	concave

If removable, bolts used (describe other fastenings) -
 (Matl., Spec. No., Gr., Size, No.)

9. MAWP 45 & FV psi at max. temp. 200 °F
 Min. design metal temp. -20 °F at 45 psi Hydro., ~~press~~, or ~~comb~~. test pressure 65 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Manway/Cvr	1	30"	Flg	SA-240 Ty 316L	1/2"	SA-240 316L	Fig 2-4.8	Shell
Pump	1	24"	RFSO	"	3/8"	"	UW16.1e	-
Agitator	1	16"	"	SA-312 Ty316L	80S	"	"	-
Vent	3	4"	LAPJT	"	80S	"	"	-

11. Supports: Skirt no Lugs - Legs - Other Saddles
 (Yes or no) (No.) (No.) (Describe) Attached loose on shell
 (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, Mfr's name and identifying stamp)

96" OD 8,000 Gal Storage Tank TA-041
Impact test exempted per UHA-51d & e and UCS-66
See attached U-4

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. 30,535 expires 9/16, 2001
 Date 2/28/01 Co. Name Tolan Machinery Co., Inc. Signed [Signature]
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Tolan machinery Co Inc. at Rockaway
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NJ and employed by Commercial Union Insurance Co. have inspected the component described in this Manufacturer's Data Report on 2/28/2001, 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 2-28-01 Signed [Signature] Commissions NB 7169 A, NJ 459
 (Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)

