

PO# 52-60104XMS Item # MB-820

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
(Alternate 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 Plant Maintenance Service Corporation 3000 Fite Rd. Memphis, TN F Shop
(name and address of manufacturer)
2. Manufactured for Velsicol Chemical Corp. Nederland, TX
(name and address of purchaser)
3. Location of Installation Velsicol Chemical Corp. Beaumont, TX
Vert. Brine (name and address)
4. Type: Surge Tank N-830 E-251 2137 1986
(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 Code, Section VIII, Division 1: 1983
Win 85 (year)
(addenda (date)) (Code Case no.) (special service per UG-120(d))
6. Shell: SA 516 70 .250 .0625 8'-0" OD 9'-9"
(mat'l. (spec. no., grade)) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))
7. Seams: Groove Spot 85% NA NA Groove Part 1
(long. (welded, dbl., engl. lap, butt)) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time (hr.)) (grth (welded, dbl., engl. lap, butt)) (RT (spot, partial, or full)) (no. of courses)
8. Heads: (a) SA 516 70 (b) SA 516 70
(mat'l. (spec. no., grade)) (mat'l. (spec. no., grade))
- | | Location (top, bottom, ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Stress Pressure (con. or concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|-----------------------------------|
| (a) | Top | .237 | .0625 | 76.8" | 5.750 | | | | | Concave |
| (b) | Btm | .237 | .0625 | 76.8" | 5.750 | | | | | Concave |
- If removable, bolts used (describe other fastenings):
(mat'l., spec. no., gr., size, no.)
9. MAWP: 40 at max. temp. 100° Min. temp. NA Hydro. XXXXXX test pressure 60
(psi) (°F) (when less than -20°F) (psi)

10. Nozzles, inspection and safety valve openings: *

Purpose (inlet, outlet, drain, etc.)	No.	Dia. or Size	Type	Mat'l.	Nom. Thickness	Reinforcement Mat'l.	How Attached	Location
SEE U-4 FORM								

11. Supports: Skirt No Lugs NA Legs 4 Other NA Attached Welded to Btm Ho
(yes or no) (no.) (no.) (describe) (where & how) Shell

12. Remarks: Manufacturers' 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)

* Relief protection per paragraph UG-125 must be provided by customer

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 #8812 expires 2-28, 1989

Date 6-26-86

Name Plant Maintenance Service Corporation

(manufacturer)

(representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Plant Maintenance Service Corporation at Memphis, TN

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of Tennessee and employed by Commercial Union Insurance Company

of Boston MASS have inspected the component described in this Manufacturers' Data Report on 6/26/86 1986 and

state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the 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 the Manufacturers' Data Report. Furthermore, neither the inspector nor his employer shall be liable in any

for any personal injury or property damage or any kind arising from or connected with this inspection.

Date 6/26/86, 1986

Signature [Signature]

(Inspector)

Commission NA 5534 TN 509

(Nat'l. Bd. (incl. endorsements) state and date)

J. C. S. GILL

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(Name and address of manufacturer)

2. Manufactured for Velsicol Chemical Corp. Nederland, TX
(Name and address of purchaser)

3. Location of Installation Velsicol Chemical Corp. Beaumont, TX
(Name and address)

4. Type Vert. Brine Surge Tank Vessel Number N-830 E-251 2/37 Year Built 1986
Honz. Vert. Tank, etc. Mfg. serial CRN Dwg Nat'l. Brd. No.

Remarks

Date 6/26/86 Plant Maintenance Service Corporation Henry F. Thomas
MANUFACTURER
 Date 6/26/86
 Authorized Inspector's Signature W. Paulson Commissions NB 5534, T1687
Natl. Board, State, Provincial and Int'l.

NAT'L. BD. NO. 2757

SERIAL NO. N-810

YEAR BUILT 1968



CERTIFIED BY

PLANT MAINTENANCE SERVICE CORP.



3000 FITE ROAD

MEMPHIS, TENN.

T.M.P. TUBE SIDE

PSI AT

OF

T.M.P. SHELL SIDE

PSI AT

OF

CUST. P.O. NO. 5-60107-215

EX-107-820