

93406

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 I

1. Manufactured by Piersol Pine Mfg. Co., Inc. Oaks, Pennsylvania
(Name and address of Manufacturer)
Crawford & Russell, Inc. FMC Corporation
2. Manufactured for Stamford, Conn. User: Baltimore, Maryland
(Name and address of Purchaser)

3. Type Vert. Vessel No. (7931-D) (Mfr. Serial) (State & State No.) Natl. Bd. No. 550 Yr. Built 1971
(Horiz. or Vert.)

4. SHELL: Matl. SA240 tp304L T.S. 70,000 Nom. 250 Corr. 1/16
(Kind and Spec. No.) (Fig. or F.H. & Spec. Min. T.S.) Thk. In. Allow In. Diam. 5 Ft. 0 In. Length 6 Ft. 3 In.

5. SEAMS: Long DBW H.T. no R.T. spot Sectioned no Efficiency 85 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Girth DBW H.T. no R.T. none Sectioned no No. of Courses 1

6. HEADS: (a) Material SA240 tp304L T.S. 70,000 (b) Material SA312 tp304L T.S. 70,000
(Top, bottom, ends) Thickness .250" Crown Radius 60" Knuckle Radius 3 5/8" Elliptical Ratio Conical Hemispherical Radius Flat Side to Pressure (Convex or Concave) Concave
(a) top, bottom .250" 60" 3 5/8" Conical Flat Concave
(b) _____

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

7. Constructed for max. allowable working press. 20 psi at max. temp. 250 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic 30 Test Press 40 psi
Construction

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

9. NOZZLES:
Purpose (Inlet, Outlet, Drain) Number Diam. or Size Type Material Thickness Reinforcement Material How Attached
agitator 1 8" lap joint SA312 tp304L Sch 40S SA240 tp304L Welded
vent 1 4" " " " " "

10. INSPECTION Manholes, No. 1 Size 18 Location top head
OPENINGS: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt no Lugs 4 Legs _____ Other _____ Attached Shell, Welded
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: Non lethal service. CR7116-11.17 (Vessel T-1504)
Additional nozzles - 2, 3", lap joint, SA312 tp304L, Sch 40S, Welded
1, 3", slip on, " " " " " "
1, 2", " " " " " "
2, 1 1/2", " " " " " "

O.A.H. 8'-11"

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents.
If postweld heat-treated.
List other internal or external pressures with coincident temperature when applicable.

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 I.

Date 1/4 19 72 Signed Piersol Pine Mfg. Co., Inc. By M.C. Fitzgerald, Jr.
(Manufacturer)

Certificate of Authorization Expires December 31, 1973

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Piersol Pine Mfg. Co., Inc. at Oaks, Pennsylvania

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province Penna. and employed by Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Conn. have inspected the pressure vessel described in this manufacturer's data report on 1-11- 19 72 and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

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 1-19- 19 72

Russell E. Emrich Jr.
Inspector

Commission NB 6886

Natl Board, State, or Province and No.

FORM R-1, REPORT OF WELDED ☐ REPAIR OR ☒ ALTERATION
As Required by the Provisions of The National Board Inspection Code

1. Work done by HEAT AND POWER CORPORATION, 501 W. WEST STREET, BALTIMORE, MD 21230 383100
(Name and address of repair or alteration organization) (Serial No.)
2. Owner FMC CORPORATION, 1701 E. PATAPSCO AVENUE, BALTIMORE, MD. 21226
(Name and address of owner)
3. Location of Installation FMC CORPORATION, 1701 E. PATAPSCO AVENUE, BALTIMORE, MD 21226
(Name and address)
4. Unit Identification PRESSURE VESSEL Name of Manufacturer PIERSOL PINE MANUFACTURING COMPANY
(Boiler, Pressure Vessel)
5. Identifying Nos. 7931-D 550 MD 1972
(Mfg. Serial No.) (National Board No.) (Jurisdiction) (Year Built)
6. Description of Work: ADDITION OF ONE (1) 3" AND ONE (1) 6" FLANGED NOZZLE (LAP JOINT TYPE)
(Use back, separate sheet, or sketch if necessary)
TO TOP HEAD OF 60" OD STAINLESS STEEL VESSEL.

HYDROSTATIC Pressure Test, if Applied 34 psi
Remarks: Attached are Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors for the following items of this report: NONE

MATERIAL: 60" RAD. HEAD, SA-240, TYPE 304L (.250" NOM. WALL)

PIPE, 6" SCH. 40, SA-312, TYPE 316L

3" SCH. 40, SA-312, TYPE 304L

STUB ENDS, 6" SCH. 40, SA-403, TYPE 304L

3" SCH. 40, SA-403, TYPE 304L

ALTERATIONS MADE TO ONE (1) 7-OH WASH MIXER, MFG'S

SERIAL NO. 7931-D, NATIONAL BOARD NO. 550

(Name of part, item number, mfg's name, and identifying stamp)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that all design DESIGN
material, construction, and workmanship on this ALTERATION conform to
the National Board Inspection Code.

Date 1-15-86 Signed HEAT AND POWER CORPORATION by Russ M. Wilson
(Repair, Alteration Organization) (Authorized Representative)

Our Certificate of Authorization No. 121 to use the R Symbol expires 3-14, 1986

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors or the State or Province of MARYLAND and employed by HARTFORD STEAM BOILER INSPECTION & INSURANCE COMPANY

of HARTFORD, CONN. have inspected
the work described in this Data Report on JANUARY 15, 19 86 and state that to the best of my knowledge and belief,
this work has been done in accordance with The National Board Inspection Code.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the work described in this 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, except such liability as may be provided in a policy of insurance which the Inspector's insurance company may issue upon said object and then only in accordance with the terms of said policy.

Date 1-15-86 Donald Williams Commissions MD 80