

## FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 Page 1 of 2

1. Manufactured and certified by Samuel Pressure Vessel Group, 58 Samuel Way, Lebanon, Virginia, 24266, USA

(Name and address of Manufacturer)

2. Manufactured for Stock

(Name and address of Purchaser)

3. Location of Installation Unknown

(Name and address)

4. Type Vertical 987907 L4040.5678901234T A10130 Rev.21 987907 2021  
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)5. ASME Code, Section VIII, Division 1 2019/ N/A None None  
[Edition and Addenda, if applicable (date)] (Code Case numbers) [Special service per UG-120(d)]6. Shell: SA455 .250" None 3' 0" (OD) 7' 11.25"  
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) [Length (overall)]

## Body Flanges on Shells

No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams: Type No. 1 None 70% N/A N/A Type No. 2 None 65% 1  
[Long. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (H.T. temp) (Time, hr) [Girth. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (No. of courses)

8. Heads: (a) Material

SA414G

(Spec. no., grade)

(b) Material

SA414G

(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	.235"	None	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	BOTTOM	.235"	None	N/A	N/A	2:1	N/A	N/A	N/A	Concave

## Body Flanges on Heads

No.	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A

9. MAWP 200 psi N/A at max. temp. 400 °F N/A  
(Internal) (External) (Internal) (External)Min. design metal temp. -20 °F at 200 psi . Hydro, pneu., or comb. test pressure HYDRO. at 260 psi .Proof test N/A .

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)	
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange		
Inspection	2	3.000"	Threaded Fitting	SA181	CL70	N/A	UG-11(a)(1)	N/A	Inherent	FigUW16.2(c)	N/A	Shell
Unknown	1	3.000"	Threaded Fitting	SA181	CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Unknown	2	1.000"	Threaded Fitting	SA181	CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Unknown	1	.500"	Threaded Fitting	SA181	CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Unknown	1	.250"	Threaded Fitting	SA181	CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Drain	1	1.000"	Threaded Fitting	SA181	CL70	N/A	UG-11(a)(1)	N/A	Inherent	FigUW16.2(c)	N/A	Head

11. Supports: Skirt Yes Lugs 4 Legs 0 Other Name Plate Attached Head - Welded  
(Yes or no) (Number) (Number) (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:

N/A  
(Name of part, item number, Manufacturer's name and identifying stamp)Constructed under the provision of UG-90 (c) (2). No safety device provided per UG-125 (a). UG-20 (f) applies. Drawing #SFW-2078 submitted for Canadian registration.

Manufactured by <u>Samuel Pressure Vessel Group, 58 Samuel Way, Lebanon, Virginia, 24266, USA</u>		
Manufacturer's Serial No. <u>987907</u>	CRN <u>L4040.5678901234T</u>	National Board No. <u>987907</u>

### CERTIFICATE OF SHOP/FIELD 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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 23846

expires October 9, 2021

Date 07/01/2021 Co. name Samuel Pressure Vessel Group Signed Sharon S. Burrow  
 (Manufacturer) (Representative)

### CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Samuel Pressure Vessel Group at 58 Samuel Way, Lebanon, Virginia, 24266, USA

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by

OneCIS Insurance Company, of Lynn, MA

have inspected the component described in this Manufacturer's Data Report on June 30, 2021, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 07/01/2021 Signed William Hunter Commissions 9864, GA374, TN3368  
 (Authorized Inspector) (National Board Authorized Inspector Commission number)