

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 MINNESOTA VALLEY ENGINEERING, 407 7th ST, NW; NEW PRAGUE, MN 56071 (Name and address of manufacturer)													
2.	2. Manufactured for(Name and address of purchaser)												
3. Location of installation(Name and address)													
4.	Type	CS 15	DO NS	36 (030 C5448.612345789			789 D3:	D32664 A (Drawing No.) (N		49173	1994 (Year built)	
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSE													
	CODE. The de	sign, co	nstruction, a	nd workman	ship conf	orm to ASI	ME Rule	s, Section V	/III, Div∈si	on 1	1992 Year		
to A-92 Addenda (Date)						NA Code Case Nos.							
											Special Service per U		
6.	Shell:S	hell: SA553 T1 Mat'i (Spec. No., Grade)			Nom Thk (in) Corr.			ow (in.) Diam i C		(ft & in)	9 1 - / 3 Length (overall) (ft. & in.)		
		MONTON A TOTAL T		,	100 NA			NA TYPE 2					
		earns: TYPE I FULL Long (Welded Double, Single, Lap. Butt) RT (Spot or Fu				ongo, tap, bon,							
8	Heads: (a) N	fatt		SA353	o (Grade)	(b) Matl			SA353 (Spec No., Grade)				
	Location (Top.	Location (Top. Minimum		Corresion Cr		wn Knuckle			Conical Apex Angle	Hemispherical Radius	Flet Diameter	Side to Pressure (Convex or Concave)	
(=)	Bottom, Ends) TOP	Thickne			dius IA	NA	2:		NA	NA NA	NA	CONCAVE	
(h)	BOTTOM	.327		N	IA	NA	2:	1	NA	NA	NA	CONCAVE	
	If removable, bolts used (describe other fastenings) NONE												
	(Matt., Spec. No., Gr., Size, No.)												
9.	MAWP 250 psi at max. temp. 100 Min. design metal temp. -320 •F at 250 psi. Hydro., pneu., or comb. test pressure 410 p												
10.	Nozzles, inspi				- al		рат. пус	iro., prieu., i	or como.	test pressure _		psi	
	Purpose	No.	Diameter	Type	1	Mati.		Nom. Thk.	R	einforcement	How	Location	
-	F, BF	2	2.25"OD		SA	479 T3	304	•454"	 -	Meti. NA	WELDED	NA NA	
_	P	1	0.75"OD		_		304	.250"		NA	WELDED	NA	
-	V,PBR,FT	3	1.25"OD				304	.311"		NA	WELDED	NA	
	,GU,AL	3	2.00"OD				304	.450"	 	NA NA	WELDED	NA NA	
LP HYDRO		2	2.25"OD			SA479 T304 SA479 T304		.305" .533"		NA NA	WELDED	NA NA	
•			2.25 02	0.20.		1/2 - 5	/24	- 200					
		NO Luce		N A		NA_Other		HUB	Assembled		HEAD WELDED		
71.	. Supports: Ski	rt Yes	O Lugs_	NA (No.)	Legs	(No.)	tner	(Describe)		Attached	(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, Mfgr's, name and identifying stamp)													
VACUUM JACKETED VESSEL. LOW TEMPERATURE SERVICE. RT - UW-11(a)(5). DESIGN													
PRESSURE IS 272.0 PSI. INNER VESSEL CODED ONLY. HYDRO PORTS ARE PLUGGED AND SEAL WELDED. IMPACT TESTED PER UHT6. TEST POSITION IS VERTICAL.													
Ξ	- Olmb	WINDL	70. 1.11.11	11301				P COMPLIA		VIII(120112)			
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel con-													
form to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 8377 entires, JAN.15, 1995 Date May 12, 1994 Co. name MINNESOTA VALLEY ENGINEERING Signed													
	Date May		<u> </u>	name		(Manufac	turer)			0 2 9812	(Representative)		
			MINN	IESOTA V				P INSPECT		PRAGUE.	MINNESOTA	56071	
Vessel constructed by MINNESOTA VALLEY ENGINEERING at NEW PRAGUE, MINNESOTA 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 byCOMMERCIAL UNION INSURANCE COMPANY													
have inspected the component described in this Manufacturer's Data Report on May 12 19 94, 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.													
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