FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS As required by the Provisions of the ASME Code Rules, Section VIII, Division I

1. Manufactured by	WESTERN SUPPLY C (Name and add	OMPANY, Tulsa, Oklahoma lress of Manufacturer)	
2. Manufactured forColor Ny	C. The and ac	idress of Purchaser)	
			1000
3. Type Kind (Horiz, or Vert) (Tank, Jackete	Vessel No. (Mfrs. Seri	al) (State & State No.)). 1526 Yr.Built. 27 C
Items 4-9 incl. to be completed for sin	igle wall vessels (such as air t	anks), jackets of jacketed vesse	ls, or shells of heat exchangers.
4. SHELL: Material (Kind and Spec. No.	T.S. 0 000 Nom	corrosion In. Allowance In.	Dia Ft. in Lth Ft. In.
(Kind and Spec. No.	(Flg. or F. B. & Spec. Min. T.	S.)	
5. SEAMS: Long (Welded, Dbl., Single, La			verse side of
Girth	H. T. R. T.	_SectionedNo. of C	ourses form.
6. HEADS (a) Material	T. S.	(b) Material	T.S
Location Top, bottom, ends Thickness (a)	Radius Radius Ratio	Apex Angle Radius	Flat Side to Pressure (Convex or Concave)
(b)			
If removable, bolts used (Materi	al Spec No. T.S. Size, Number)	Other fastening (Describ	e or Attach Sketch)
7. STAYBOLTS: If }			
8. JACKET CLOSURE:(Descri	he as ones & weld har etc. If har	give dimensions, if bolted, descri	be or sketch)
9. Constructed for max. allowable working press2	Mir	Hydrost Hydrost	atic Test
allowable working press2	psi at max, temp. OF. les	s than -20°)°F, Combine	non Press. psi.
Items 10 and 11 to be completed for	r tube sections.		
10. TUBE SHEETS: Stationary.Mate	51-260-1150 rial	_ Diam, In. Thickness	In. Attachment (Welded, Bolted)
Floating. Mate	(Kind & Spec. No.)	Diam In. Thickness.	In, Attachmentic 1 ded
11. TUBES: Material (Kind & Spec. No.	O. D. In. Thickness	Number See Number 1	Type (Straight or U)
Items 12 - 15 incl. to be completed	for inner chambers of jacket	ed vessels, or channels of hea	t exchangers.
PARTE MANAGERS EAST	T.S. Nomin Thickr (Flg. or F.B. & Spec. Min. T. S	al Corrosion	Dia. Ft. In. Lth Ft. In.
	Garage and Garage		If rivited de-
13. SEAMS: Long (Welded, Dbl., Single,	H. T. R. T. R. T. Copot or No.)1 (Spot or	Sectioned Effici	ency % scribe seams fully on reverse side of
Girth Butt	н. т. 120 r. т <u>. рос</u>	Sectioned No. o	
14. HEADS (a) Material	T.S. 000 (b) Material	T.S. 100 (c)	MaterialT.S
Location Thickness	Crown Knuckle Elliptical Radius Radius Ratio		Flat Side to Pressure (Convex or Concave)
(a) Top, bottom, ends	2:3.		Concesse
(b) Channel			
(c) Floating	94-671823,00013/4°.	49 AN 101 BULLOS	, (14,45; 15,75,75; 155;
if removable, bolts used (a)	(Material, Spec. No., T. S., Size,	Number)	
1-7		Other fastening	
(6)			(Describe or Attach Sketch)
15. Constructed for max. allowable working press2	psi at max. tempoF.	Min. temp. (when Phei less than -20°) Fr. Gom	costatic intatic or Press, psi,
Items below to be completed for a	ll vessels where applicable.		
16. SAFETY VALVE OUTLETS: No		Size	Location
¹ If postweld heat-treated. ² Li	st under remarks other internal o	r external pressures with coincide	nt temperature when applicable

FORM U-1 (back)

Purp Outl	ZZLES pose (Inlet, et, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attache
Sals El	I de Verille		.3.44	1,203			Works .	Welder Welder
			-					
						-		
. INSI	PECTION N	Manholes, No)		Size	Location		
OPE	ENINGS: H	andholes, N	0		Size	Location		
	T	hreaded, No	0,		Size	Location	-5-1	e e .
. SUP	PORTS: Sk	irt (Y	Lugs _	(Number)	Legs(Number	Other (Des	Attached_	(Where & Ho
REA	AARKS.	1 3 F 4	kor Carlaga					
We c	certify that	the statement vessel conf	arpose of the vessel, ints made in this report to the ASME Communication Signed	oort are corr lode for Pres	rect and that all ssure Vessels, S	details of design section VIII, Divi	, material, const:	ruction and
		*/.	Signed_	(N	Manufacturer)	By	<u> 100 in 100 mar. 100 mar.</u> T	
Cert	tificate of J	Authorizatio	n Expires Dec	ember 31,	1970	4	,	
		140						
			CERTIF	ICATE OF	SHOP INSPE	CTION		
	VESSEL N	ADE BYV	VESTERN SUPPLY	COMPANY	atat	Tulsa. Oklah	oma	
	The State	or Province	lding a valid commission. B.	on issued by the	National Board of E	Boiler and Pressure ERS COMMERCIA	Vessel Inspectors and LINSURANCE CO.	d/or of
	data repor	t on	is pressure vessel in a	19	and state that to the	best of my knowledg	ed in this manufacture and belief, the manufacture iler and Pressure Ve	ufac-
	Code,							-8
	pressure v	essel described	tate neither the Inspect I in this manufacturer's rsonal injury or proper	data report. F	urthermore, neither	the Inspector nor hi	s employer shall be li	able
1	Date		19					TOTA,
		-01	tor's Signature	Con	nmissions	E WARY SE	3897	
L		Inspec	tor's Signature			Nat'l Board or St	ate and No.	1 5
,							¥	
			CERTIFICATE	OF FIELD	D ASSEMBLY	INSPECTION		
	I, the un	dersigned, hol	ding a valid commissio				Vossel I	
	the State o	r Province		and employed	by			10
					have compared the	statements in this m	anufacturer's data roo	
	not include	scribed pressi d in the certi	are vessel and state that ficate of shop inspection	t parts referre	d to as data items			
	the manua	icturer has con	istructed and assemble	ed this pressur	e vessel in accorda	nce with the applica	ble sections of the AS	ME
			sel Code. The describe					
	pressure ve	esseidescribed	ate neither the Inspector in this manufacturer's	data report. Fi	arthermore, neither	the Inspector nor his	employer shall be lia	ble
	in any man	ner for any per	sonal injury or proper	ty damage or a	loss of any kind ar	ising from or connec	ted with this inspect	ion,
	Date		19					
1		Inspec	ctor's Signature	Com	missions	New Park		

Nat'l Board or State and No.

Inspector's Signature

FORM R-1 REPORT OF REPAIR

in accordance with provisions of the National Board Inspection Code 1. Work performed by Munroe, Inc. (name of repair organization) (Form R No.) 12 Century Drive, Ambridge, PA 15003 SO# 19567 (address) (P.O. No. Job No. etc.) 2. Owner Sunoco Chemicals (name) 1019 Haverhill-Ohio Furnace Road, Haverhill, OH 45636 (address) 3. Location of installation Sunoco Chemicals (name) 200 Neville Road, Pittsburgh, PA 15225 (address) 4. Unit identification Name of original manufacturer Heat exchanger Western Supply Company (boiler, pressure vessel) 5. Identifying nos.: 12548 3698 1970 (mfg serial no.) (National Board No.) (jurisdiction no.) (other) (year built) 6. NBIC Edition/Addenda: 2001 edition 2001 addenda (edition) (addenda) Original Code of Construction for Item: ASME Section VIII, Division I (name/section/division) (edition/addenda) Construction Code Used for Repair Performed: ASME Section VIII, Division I 2001 edition / 2002 addenda (name/section/division) (edition/addenda) 7. Repair Type: ✓ Welded Graphite Pressure Equipment FRP Pressure Equipment 8. Description of work: (use supplemental sheet Form R-4, if necessary) Repaired the inside of (2) SA-515 channel heads by pad welding 10 to 12 wasted areas approximately 1 square inch each. Welding was performed by operators qualified to Munroe's WPS SM-13. NDE and PWHT was neither performed nor required. Pressure Test, if applied MAWP. psi 25 shell/ 100 tube psi 9. Replacement Parts: Attached are Manufacturer's Partial Data Reports or Form R-3s properly completed for the following items of this report: (name of part, item number, data report type, mfg's, name and identifying stamp) 10. Remarks: Routine repair CERTIFICATE OF COMPLIANCE I, Lance Oros, certify that to the best of my knowledge and belief the statements in this report are correct and that all material, construction, and workmanship on this Repair conforms to the National Board Inspection Code. National Board 'R' Certificate of Authorization No. 403 expires on 2/17/05. Date 7/28/03 Munroe, Inc. Signed (name of repair organization) (authorized representative) CERTIFICATE OF INSPECTION I, Kimberly Wolfgang, holding a valid Commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of PA and employed by HSB CT of Hartford, CT have inspected the work described in this report on and state that to the best of my knowledge and belief this work complies with the applicable requirements of the National Board Inspection Code. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Commissions

Date 8-12-03

(National Board and jurisdiction, and no.)