

#106831

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT
 A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Manufactured and certified by TUBERATE Ltd. 763 Chester Street Sarnia, Ontario N7S 5N2 Canada

(Name and address of Manufacturer)

Manufactured for Huntsman Corporation 2701 S. Range Road Marysville, Michigan 48040 U.S.A.

(Name and address of Purchaser)

Location of Installation Huntsman Corporation 2701 S. Range Road Marysville, Michigan 48040 U.S.A.

(Name and address)

Type: Horizontal Overhead Condenser

5457B

(Description of vessel part (shell, two-piece head, tube bundle))

(Mfg's serial No.)

(CRN)

26

5457- D1 R.3

TUBERATE Ltd.

1997

(Natl. Bd. No.)

(Drawing No.)

(Drawing prepared by)

(Year built)

ASME Code, Section VIII, Div. 1

95 ED. & 95 ADD.

Edition and Addenda (date)

Code Case No.

Special Service per UG-120(d)

Items 6 - 11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multi-chamber vessels.

Shell (a) No. of course(s): 2 (b) Overall length ft & in.: 20' - 0" TSA to TSB

Course(s)			Material		Thickness		Long Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter, in.	Length ft & in.	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	3'-0" ID	10'-0"	SA-516-70		3/4"	1/8"	1	Spot	0.85	1	Spot	0.85	None	
2	3'-0" ID	9'-4 5/8"	SA-516-70		3/4"	1/8"	1	Spot	0.85	1	Spot	0.85	None	

Heads: (a) None

(b) None

(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp

(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp

(a)	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
	N/A													

Removable, bolts used (describe other fastening) None

Type of jacket N/A

(Mat'l Spec. No., Grade, Size, No.)

Jacket closure N/A

(Describe as ogree & weld, bar, etc.)

If bar, give dimensions: N/A

1. MAWP 430 psi at max. temp. 210 °F Min. design metal temp. -20 °F at 430 ps

(internal)

(external)

(internal)

(external)

2. Impact test Exempt per UG - 20 (f)

(Indicate yes or no and the component(s) impact tested)

3. Hydro., pneu., or comb. test press. Hydro-645 psi G Proof test N/A

Items 12 and 13 to be completed for tube sections.

4. Tubesheet: SA-240-TP 304 44 1/2" OD 3 3/4" 0 Welded

Stationary (Mat'l Spec. No.)

Dia., in. (subject to press.)

Nom. thk., in.

Corr. Allow., in.

Attachment (welded or bolted)

SA-240- TP 304

44 1/2" OD

3 3/4"

0

Welded

Floating (Mat'l Spec. No.)

Dia., in.

Nom. thk., in.

Corr. Allow., in.

Attachment

5. Tubes: SA-249- TP 304

3/4"

14 Bwg.

1056

Straight

Mat'l Spec. No., Grade or Type

O.D., in.

Nom. thk., in. or gauge

Number

Type (Straight or U)

Items 14 - 18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

6. Shell (a) No. of course(s): None (b) Overall length (ft & in.): None

Course(s)			Material		Thickness		Long Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter, in.	Length ft & in.	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
	N/A													

