

FORM U-1 MANUF. INSURERS' DATA REPORT FOR PRESS. VESSELS

as required by the provisions of the ASME Code rules, Section VIII, Division 1

E6400-1/R

1. Manufactured and certified by MISSOURI BOILER & TANK CO., 2300 PAPIN, ST. LOUIS, MO.
(name and address of manufacturer)
2. Manufactured for HERCOFINA, WILMINGTON, N.C.
(name and address of purchaser)
3. Location of installation HERCOFINA, WILMINGTON, N.C.
(name and address)
4. Type VERT. HT. EXCH. C-5044 MD-C-5044 5182 1984
(horiz. or vert., tank) (mfr's. serial no.) (CRN) (drawing no.) (mat'l. Id. no.) (year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Code, Section VIII, Division 1: 1983
(year)

#104311

6/83

(addenda (date))

(Code Case no.)

(special service per UG-120(d))

Items 6-11 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA 516 70 3/8 1/16 2'-11 1/4" 8'-0"
(mat'l. (spec. no., grade)) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))
7. Seams: DBL BUTT SPOT 85 DBL BUTT SPOT 3
(long. (dbl., angl.)) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time) (width (dbl., angl.)) (RT (spot, partial, or full)) (no. of courses)
8. Heads: (a) _____ (b) _____
(mat'l. (spec. no., grade)) (mat'l. (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)										
(b)										

If removable, bolts used (describe other fastenings):

(mat'l., spec. no., gr., size, no.)

9. Type of jacket: _____ Proof test: _____
10. Jacket closure: _____ If bar, give dimensions: _____ If bolted, describe or sketch.
(describe as ogee & weld, bar, etc.)
11. MAWP: 175 at max. temp. 365 Min. temp.: _____ Hydro. ~~xxxxxxx~~ test press.: 285
(psi) (°F) (when less than -20°F) (psi)

Items 12 and 13 to be completed for tube sections.

12. Tubesheets: SB 625 904L S/S 35 3/16 1 5/16 0 WELDED
(stationary mat'l. (spec. no., gr.)) (dia. (in.) (subject to pressure)) (nom. thickness (in.)) (corr. allow. (in.)) (attachment (welded, bolted))
- (floating mat'l. (spec. no., gr.)) (dia. (in.)) (nom. thickness (in.)) (corr. allow. (in.)) (attachment)
13. Tubes: SB 677 904L 3/4" 16GA 1165 STRAIGHT
(mat'l. (spec. no., gr.)) (OD (in.)) (nom. thickness (in. or gauge)) (no.) (type (straight or U))

Items 14-17 inclusive to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell: SA 240 304 S/S 3/8" 0 2'-11" 1-1'-1 3/8" 1-3'-3 3/8"
(mat'l. (spec. no., gr.)) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))
15. Seams: DBL BUTT SPOT 85 2
(long. (dbl., angl.)) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time) (width (dbl., angl.)) (RT (spot, partial, or full)) (no. of courses)
16. Heads: (a) SA 516 70 w/SA 240 304 S/S FACER (b) _____
(mat'l. (spec. no., grade)) (mat'l. (spec. no., grade))

	Location (top, bottom, ends)	MAX. THICKNESS	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	ENDS	1 13/16	0						3'-4 7/8"	FLAT
(b)										

If removable, bolts used (describe other fastenings): 6 3/4" SA 193 B7 STUDS & 192 SA 194 2H NUTS

(mat'l., spec. no., gr., size, no.)

17. MAWP: F V at max. temp. 350 Min. temp.: _____ Hydro. ~~xxxxxxx~~ test press.: 50
(psi) (°F) (when less than -20°F) (psi)

Items on reverse side to be completed for all vessels where applicable.

