

#338 J5192

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1038AJ0872300

Mitsui Engineering & Shipbuilding Co., Ltd.
1-1, Tama 3-Chome, Tamano City, Okayama Pref., Japan

- 1. Manufactured and certified by Mitsui Engineering & Shipbuilding Co., Ltd.
(Name and address of manufacturer)
- 2. Manufactured for Exxon Chemical Americas, U.S.A.
(Name and address of purchaser)
- 3. Location of installation Baytown, Texas, U.S.A.
(Name and address)
- 4. Type Vertical 620015 CK69148 360 1987
(Horiz. or vert. tank) (Mfr's serial No.) (CRN) (Drawing) (Nat'l. Bd. 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 Rules, Section VIII, Division 1. 1983
Year
Winter 1985 N/A N/A
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, or sheets of heat exchangers.

- 6. Shell: SA516-70 0.472 1/16 5'-3" 5' & 7-7/16"
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft & in.) (Length (Overall))(ft & in.)
- 7. Seams: Single None 65 -
Long. (Dbl., Sngl.) R.T. (Spot or Full) Eff. (%) H.T. Temp. (F)
- None - 1
Time Girth (Dbl., Sngl.) R.T. (Spot, Partial, or Full) No. of Courses
- 8. Heads: (a) Matl. - (b) Matl. -
(Spec. No., Grade) (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) _____
(Matl. Spec No., Gr., Size. No.)

- 9. Type of Jacket Type 1 Proof Test -
- 10. Jacket Closure Fig. 9-5 Type d-1 If bar, give dimensions _____ If bolted, describe or sketch.
(Describe as ogee & weld, bar, etc.)
- 11. MAWP 100 psi at max. temp. 140 °F. Min. temp. (when less than -20° F) _____ °F.
Hydro., ~~XXXXXXX~~ tes press. 179 psi.

Items 12 and 13 to be completed for tube sections

- 12. Tubesheets: - - - - -
Stationary Matl (Spec No., Gr.) Diam (in.) (Subject to pressure) Nom Thk (in.) Corr Allow (in.) Attach (Welded, Bolted)
- - - - -
Floating Matl (Spec No., Gr.) Diam (in.) Nom Thk (in.) Corr Allow (in.) Attach
- 13. Tubes: - - - - -
Matl (Spec No., Gr.) O D (in.) Nom. Thk. (in. or Gauge) Number Type (Straight or "U")

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

- 14. Shell: SA516-70 & SA240-304 Clad 1.062 & 0.125 1/16 4'-9" 6' & 2-7/8"
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam I.D. (ft & in.) Length (Overall)(ft & in.)
- 15. Seams: Dbl. Butt Full 100 -
Long. (Dbl., Sngl.) R.T. (Spot or Full) Eff. (%) H.T. Temp. (F)
- Dbl. Butt Full 1
Time Girth (Dbl., Sngl.) R.T. (Spot, Partial, or Full) No. of Courses
- 16. Heads: (a) Matl. SA516-70 & SA240-304 Clad (b) Matl. SA516-70 & SA240-304 Clad
(Spec. No., Grade) (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	1.043&0.125	1/16	-	-	2:1	-	-	-	Concave
(b)	Bottom	1.043&0.125	1/16	-	-	2:1	-	-	-	Concave

If removable, bolts used (describe other fastenings) _____
(Matl. Spec No., Gr., Size. No.)

- 17. MAWP 560 psi at max. temp. 176 °F. Min. temp. (when less than -20° F) _____ °F.
Hydro., ~~XXXXXXX~~ test press. 901 psi.

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1038AJ0872300

1. Manufactured and certified by Mitsui Eng. & Shipbldg. Co., Ltd., 1-1, Tama 3-Chome, Tamano, Okayama, Japan
(Name and address of manufacturer)
2. Manufactured for Exxon Chemical Americas, U.S.A.
(Name and address of purchaser)
3. Location of installation Baytown, Texas, U.S.A.
(Name and address)
4. Type Vertical 620015 CK69148 360 1987
(Horiz., vert., tank, etc.) (Mfgr's. serial No.) (CRN) (Dwg) (Nat'l. Bd. No.) (Year built)

Data Report

Item Number	Remarks								
	Purpose	No.	Diam. or Size	Type	Mat'l	Nom. Th'k	Rein. Mat'l	How Attd	Location
18									
	5RT-003	1	1-1/2"	300LWN	SA182-F304	0.625	-	Welded	Shell
	5RT-002	1	1-1/2"	300LWN	Do.	Do.	-	Do.	Do.
	ICW In	1	2"	300LWN	Do.	0.56	-	Do.	Jacket
	RICW In	1	2"	300LWN	Do.	Do.	-	Do.	Do.
	PR In	1	3/4"	300WN	Do.	0.219	-	Do.	N-6
	Spare	1	1"	300LWN	Do.	0.652	-	Do.	Btm Head
	Manhole	1	20"	300LWN	SA105	1.846	-	Do.	Shell
	Vent	1	3/4"	3000HCP	Do.	0.24	-	Do.	Jacket
	Drain	1	3/4"	3000HCP	Do.	0.24	-	Do.	Do.
	Do.	1	3/4"	6000HCP	SA182-F304	0.42	-	Do.	N-6

Date Aug. 7, 1987 Co. name Mitsui Eng. & Shipbldg. Co., Ltd. Signed K. Kawabata
(Manufacturer) (Representative)

Date Sep. 4, 1987 Signed Tatsuya Nishimura Commissions NB 10339
(Authorized Inspector) (Natl. Board (incl. endorsements), State, Prov., and No.)