

20-Apr-2011
10:13

EQUIPMENT SPECIFICATIONS

Page 1 of 3

LOCATION: 805TA530
EQNUM: 35873
DESCRIPTION: 805TA530 TANK 530 IN BLDG 805 O/U
LONG DESCRIPTION:
CLASSIFICATION: VESSEL
EQ PRIORITY: 10
PARENT LOCATION: 805MODULE53
Modified By: ANDERSRH
Modified Date: 27-MAY-2009
BUILDING: 805
FLOOR: 1
ROOM: PAD
ASSET #: 53127
DEPARTMENT: 56808
GLACCOUNT: 568087738030
NET BOOK VALUE:
MANUFACTURER: TOLAN MACHINERY
MANUFACTURER NAME:
VENDOR:
VENDOR NAME:
MODEL #: SS
SERIAL #: 6128
MERCK DRAWING #: pta530
VENDOR DRAWING #:
PO #:
PURCHASE DATE: 01-JUN-1978
PURCHASE PRICE: 0
REPLACEMENT COST: 0
WARRANTY DATE:
INSTALLATION DATE: 01-JUN-1978
WO #:
ESTIMATE #:

SIGNATURE: _____ DATE: _____
PRINTED NAME: _____



EQNUM: 35873
CLASSIFICATION: VESSEL

Type TANK
Long Description
Material of Construction 316L_SS
Resin Type
National Board Number 1263
Capacity Unit of Measure GALLONS
Capacity 1500
MAWP (PSIG) 60
Maximum Design Temperature (DEG F) 150
Minimum Design Temperature (DEG F) -20
Vacuum Rating (MM HG)
Vessel Inspection Rating
Top Head (IN) 0.31
Bottom Head of Vessel (IN) 0.31
Inner Shell (IN) 0.31
Jacket Shell (IN) 0.11
Bottom Head of Jacket (IN)
Type
Number of Blades
Number of Baffles
Material of Construction
Thermowell Tip
Tip Material of Construction
Jacketed? Y
Type HALF_PIPE
Material of Construction INCONEL
Number of Zones
Surface Area (SQFT)

SIGNATURE: _____ DATE: _____
PRINTED NAME: _____

MAWP (PSIG) 150
Maximum Design Temperature (DEG F) 300
Minimum Design Temperature (DEG F) -20
Vacuum Rating (MM HG)
Product Inlet Size (IN)
Product Outlet Size (IN)
Agitated?
Portable Unit?
Dip Pipe?
Sparger?
Internal Coil?
Inconel Jacket
Sealer Ring?
Unit Diameter (IN)
Unit Length (IN)
Orientation
Mount
Configuration
Unit Weight (LBS)
Additional Description .HYD TEST PRESS. VESSEL=90 JACKET=225,PV MAWP. FULL VAC.
Registration #
Bands/Locations
Plugs
Plug
Size/Locations

SIGNATURE: _____ DATE: _____
PRINTED NAME: _____

1. Manufacturer by: **Merck Chemical Div. Merck & Co. Rahway, N. J. 07065**
 (Name and address of manufacturer)
 2. Manufacturer for: **Rahway, N. J.**
 (Name and address of purchaser)
 3. Location of installation: **Rahway, N. J.**
 (Name and address)
 4. Type: **Horizontal** Vessel No. **6091** (Mfg's Serial No.) **D-1711** (CRN) **1241** (Drawing) (Nat'l Brd No.) Year Built **1978**
 (Horiz. or vert. tank)
 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 **1977** and Addenda to **Summer 1977** and Code Case no. _____ Special service per UG-120(d) _____
 (Date) (Year)

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: _____
 (Name of part, item number, mfg's name and identifying stamp)

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.
 6. Shell: Material **SA240 304L** Nominal Thickness **1/8** in. Corrosion Allowance **0** in. Diam. **5** ft **7** in. Length **3** ft **8** in.
 (Spec. No., Grade)

7. Seams: Longitudinal **Welded Double Butt** R.T. **None** Efficiency **70** % H.T. Temp _____ F
 (Welded, Dbl., Sngl., Lap, Butt) (Spot or Full)
 Time Girth _____ R.T. _____ No. of Courses _____
 (Welded Dbl., Dngl., Lap, Butt) (Spot, Partial or Full)

8. Heads: (a) Material _____ (Spec. No., Grade) (b) Material _____ (Spec. No., Grade)

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
(a)					
(b)					
Conical Apex Angle		Hemispherical Radius		Flat Diameter	
(a)					
(b)					

ESTIMATE NO **75-734**
 P. O. NUMBER **811642**
 SPEC. NO. **Reg E4579**
 TAG. PT-750

If removable, bolts used (describe other fastenings) _____
 9. Type of Jacket **Dimple** (Material, Spec. No., Gr., Size, No.) **UG-101**
 10. Jacket Closure **Open & Welded** Proof Test _____
 (Describe as open & weld bar, etc.) If bar, give dimensions _____ If bolted, describe or sketch.
 11. Constructed for max. allowable working pressure **50** psi at max. temp. **300** F Min. temp. (when less than -20 F) _____ F
 Hydrostatic, pneumatic, or combination test pressure **75** psi

Items 12 and 13 to be completed for tube sections
 12. Tubesheets: Stationary—Material _____ (Spec. No. Gr.) Diam. _____ in. (Subject to pressure) Nominal Thickness _____ in. Corrosion Allowance _____ in. Attachment _____ (Welded, Bolted) Floating—Material _____ (Spec. No., Grade) Diam. _____ in. Nominal Thickness _____ in. Corrosion Allowance _____ in. Attachment _____

13. Tubes: Material _____ (Spec. No., Gr.) O.D. _____ in. Nominal Thickness _____ 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: Material **SA240 316L** Nominal Thickness **3/16** in. Corrosion Allowance **0** in. Diam. **5** ft **6** in. Length **9** ft **0** in.
 (Spec. No., Grade)
 15. Seams: Longitudinal **Welded Double Butt** R.T. **None** Efficiency **70** % H.T. Temp _____ F Time _____
 (Welded, Dbl., Sngl., Lap, Butt) (Spot, Partial or Full) No. of courses **1**
 Girth **Welded Double Butt** R.T. **None**

16. Heads: (a) Material **SA240 316 L** (Spec. No., Grade) (b) Material **SA240 316 L** (Spec. No., Gr.)

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
(a) End	3/16	0	60"	3.6	
(b) End	3/16	0	60"	3.0	
Conical Apex Angle		Hemispherical Radius		Flat Diameter	
(a)				Side to Pressure (Convex or Concave)	
(b)				Concave	

If removable, bolts used (describe other fastenings) **PT-750** (Material, Spec. No., Gr., Size, No.)

17. Constructed for max. allowable working pressure 25 psi at max temp. 300 F. Min. temp. (when less than -20 F) _____
 Hydrostatic ~~XXXXXXXXXXXX~~ test pressure 38 psi.

Items below to be completed for all vessels where applicable

18. Safety Valve Outlets Number _____ Size _____ Location _____
 19. Nozzles: _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached
Agitator	1	10"	RF Flg.	SA312	.365		Welded
Inlet	3	2"	LJ Flg.	"	.154		"
Inlet	3	3"	" "	"	.216		"
Outlet	2	1 1/2"	" "	"	.145		"

20. Inspection Openings:
 Manholes No. 1 Size 18" Location Shell
 Handholes No. _____ Size _____ Location _____
 Threaded No. _____ Size _____ Location _____

21. Supports: Skirt No Lugs _____ (No.) Legs _____ (No.) Other Saddles Attached Welded to Shell
(Yes or no) (Describe) (Where and how)

22. Remarks: 66" O.D. 1500 gallon Tank

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

Date APR 10 1978 Signed Tolan Machinery Co., Inc. by [Signature]
(Manufacturer) (Representative)
 "U" Certificate of Authorization No. 2617 expires March 30 19 79

CERTIFICATE OF SHOP INSPECTION

Vessel made by Tolan Machinery Co., Inc. at Montclair, N. J.
 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 New Jersey and employed by Commercial Union Insurance Co. of Boston, Mass. have inspected the pressure vessel described in this Manufacturers' Data Report on APR 10 1978 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 the Manufacturers' 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.

Date APR 10 1978
 Signed [Signature] Commissions National Board 7131
(Inspector) (Nat'l Board, State, Province and No.)

CERTIFICATE OF COMPLIANCE FOR FIELD WORK

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

Date _____ Signed _____ (Manufacturer) by _____ (Representative)
 "U" Certificate of Authorization No. _____ expires _____ 19 _____

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

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 _____ and employed by _____ of _____ have compared the statements in this Manufacturers' Data Report with the described pressure vessel and state that parts referred to as data items _____ not included in the certificate of shop inspection, have been inspected by me and that, to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1.

The described vessel was inspected and subjected to a hydrostatic test of _____ psi.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturers' 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.

Date _____ Signed _____ Commissions _____
(Authorized Inspector) (Nat'l Board, State, Province and No.)