

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 149-0040-1
062

1. Manufactured and certified by Trenergy Inc., 81 Eastchester Ave., St. Catharines, Ont. Canada. L2P-2Y8
(Name and address of Manufacturer)
2. Manufactured for Patterson Industries Limited, 250 Danforth Rd., Scarborough, Canada. M1L-3X4
(Name and address of Purchaser)
3. Location of installation Sable Offshore Energy Plant, Point Tupper Liquids Plant, Nova Scotia.
4. Type: Horizontal Vessel (Name and address) 062 9094.8 98-CA-399735-1B - 1998
(Horiz., vert., or sphere) (Tank, separator, jkt. vessel, heat exh., etc.) (Mfg's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. ASME Code, Section VIII, Div. 1 1995 & 96A 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.
6. Shell (a) No. of course(s): 12 (b) Overall length (ft & in.): 119'-8"

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
12	144	9'-11 21/32	SA516 Gr70		1.125	.063	1	Full	100%	1	Full	100%	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-

7. Heads: (a) (SA516 Gr70) No (b) (SA516 Gr70) No
(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp (Mat'l Spec. No., Grade or Type) H.T. - Time & Temp
- | | 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. |
| (a) | End | 1.111" | .063" | - | - | 2:1 | - | - | - | - | Yes | - | - | - |
| (b) | End | 1.111" | .063" | - | - | 2:1 | - | - | - | - | Yes | - | - | - |

- If removable, bolts used (describe other fastening) N/A
8. Jacket of jacket N/A Jacket closure (Mat'l Spec. No., Grade, size, No.)
(Describe as ogee & weld, bar, etc.)
- If bar, give dimensions N/A
9. MAWP 250 PSIG 9 P.S.I.G. psi at max. temp. 149 149 °F Min. design metal temp. -16.6 °F at 250 psi.
(internal) (external) (internal) (external)
10. Impact test No, exempt per UCS-66D & UCS-66C

11. Hydro., pneu., or comb. test press. 375 P.S.I.G. (Indicate yes or no and the component(s) impact tested) -
Proof test -
- Items 12 and 13 to be completed for tube sections.
12. Tubesheet: N/A Stationary (Mat'l Spec. No.) - Dia., in. (subject to press.) - Nom. thk., in. - Corr. Allow., in. - Attachment (welded or bolted) -

- Floating (Mat'l Spec. No.) N/A Dia., in. - Nom. thk., in. - Corr. Allow., in. - Attachment -
13. Tubes: N/A 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.

14. Shell (a) No. of course(s): N/A (b) Overall length (ft & in.): -

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	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-

15. Heads: (a) N/A (b) -
(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp (Mat'l Spec. No., Grade or Type) H.T. - Time & Temp
- | | 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. |
| (b) | N/A | - | - | - | - | - | - | - | - | - | - | - | - | - |

- If removable, bolts used (describe other fastening) N/A
- (Mat'l Spec. No., Grade, Size, No.) -

(name and address of manufacturer)

(name and address of purchaser)

(name and address)

Data Report
Item Number

Remarks

19. Nozzles, inspection, and safety valve openings:

[illegible]

Certificate of Authorization: Type "U" No. 29,925 Expires 2 October 2000
 Date 16 DEC 98 Name Trenergy Inc. Signed [Signature]
 Date FEB-16-99 Name Robert Washel Commission Ont. 56
 (Authorized Inspector) (representative)
 (Natl. Board incl. endorsement, state, province and no.)