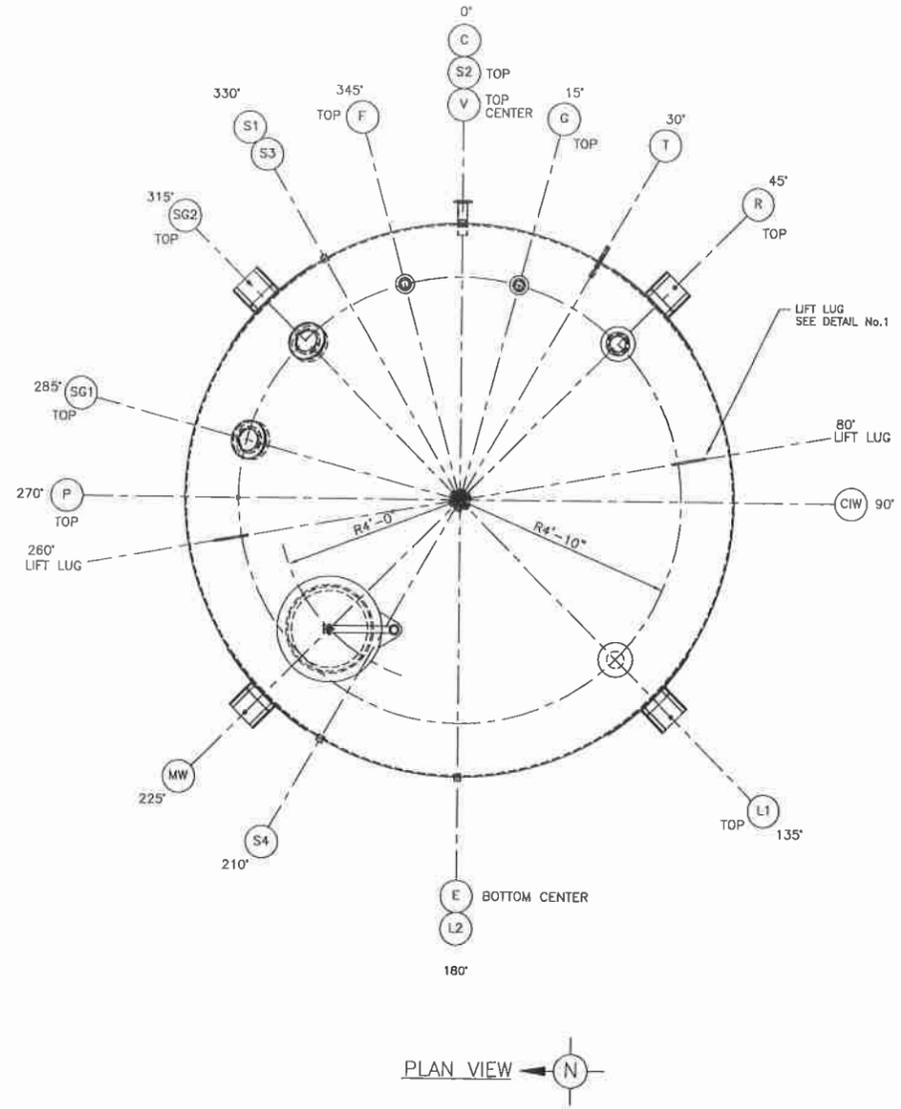
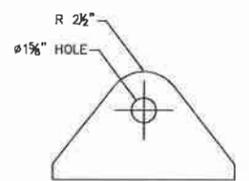


ELEVATION VIEW

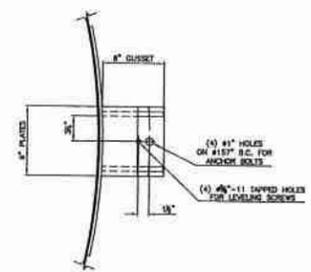


PLAN VIEW

NOZZLE	SIZE	TYPE	FLANGE RATING	FLANGE MATERIAL	PIPE RATING	PIPE AND STUB-END MATERIAL	SERVICE
C	1 1/2"	R.F. SLIP-ON	150#	316L S.S.	SCH 40S	316L S.S.	CLEANOUT
E	2"	R.F. SLIP-ON	150#	316L S.S.	SCH 40S	316L S.S.	LIQUID EFFLUENT
F	1 1/2"	R.F. SLIP-ON	150#	316L S.S.	SCH 40S	316L S.S.	LIQUID FEED
G	1 1/2"	R.F. SLIP-ON	150#	316L S.S.	SCH. 40S	316L S.S.	GLYCERINE RECYCLE
L1	4"	R.F. SLIP-ON	150#	316L S.S.	SCH. 40S	316L S.S.	LEVEL TRANSMITTER
L2	1"	COUPLING	3000#	316L S.S.	---	---	LEVEL SWITCH
MW	20"	SEE DRAWING MW-20-316L					MANWAY
P	1/2"	COUPLING	3000#	304L S.S.	---	---	PRESSURE GAUGE
R	4"	LAP JOINT W/ STUB-END	150#	C.S.	SCH 40S	316L S.S.	PRESSURE RELIEF
S1	1"	COUPLING	3000#	316L S.S.	---	---	SPARE
S2	1"	COUPLING	3000#	316L S.S.	---	---	SPARE
S3	1"	COUPLING	3000#	316L S.S.	---	---	SPARE
S4	1"	COUPLING	3000#	316L S.S.	---	---	SPARE
SG1	---	---	---	304L S.S.	---	---	SIGHT GLASS
SG2	---	---	---	304L S.S.	---	---	SIGHT GLASS
T	3/4"	WELD-IN THERMOWELL	---	---	---	---	TEMPERATURE GAUGE
CIW	LARGE	SEE DRAWING NP-6X9	---	---	---	---	NAMEPLATE
V	2"	R.F. SLIP-ON	150#	316L S.S.	SCH. 40S	316L S.S.	VENT



DETAIL No.1 LIFT LUG  
SA-240 304L SS  
SCALE: NONE  
(2 REQ'D)



DETAIL No.2 SUPPORT LUG DETAIL  
MATERIAL: SA-316 SS  
4 REQUIRED, NOT TO SCALE

DESIGN INFORMATION	
DESIGN CODE:	ASME LATEST CODE, LATEST ADDENDA
DESIGN PRESSURE:	15 psig AND FULL VACUUM
DESIGN TEMPERATURE:	250° F
WEIGHT EMPTY:	11,900 lb
WEIGHT FULL OF WATER:	117,200 lb
WEIGHT FULL OF GLYCERINE:	138,200 lb
INTERIOR VOLUME:	12,700 gal.
FINISHES:	INTERIOR: NA EXTERIOR: PAINT ON C.S. SURFACES
CALC. #	0.70

No.	Revisions	Date	By
0	ORIGINAL ISSUE	12-2-07	CIW

**CROWN IRON WORKS CO.**  
MINNEAPOLIS, MINNESOTA 55440  
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S.O. NUMBER 11476 | CIW FILE No. 403762

**TODD & SARGENT**  
620 Arrasmith Trail - Ames, Iowa 50010  
(515) 232-0442 - Fax: (515) 232-0682



SOY BIODIESEL  
-FOR-  
REG BIODIESEL  
ST. ROSE, LOUISIANA

INSTALLATION DRAWING  
T-487  
Job Number 20023  
Drawing No. MEC492  
Rev. No. 0

T 487

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

144" neutralized glycerine tk. T-487 1/3

1. Manufactured and certified by PAGET EQUIPMENT CO. 417 EAST 29TH STREET MARSHFIELD, WI 54449 (Name and address of manufacturer)

2. Manufactured for CROWN IRON WORKS P.O. BOX 1364 2500 W. COUNTY RD. C MINNEAPOLIS, MN. 55113 (Name and address of purchaser)

3. Location of installation DESTREHAN, LA. (Name and address)

4. Type: VERTICAL 06-452 06452 REV AB 22692 2007 (Horiz. or vert. tank) (Mfg'r's serial No.) (CRN) (Drawing no.) (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 2004ED Year

to 2005AD 2148 Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA240 316L 14' 12' OD 11'5" (Mall. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: TYPE 1 NONE .70 TYPE 1 NONE / .70 ONE (Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Eff. (%) or Full) No. of Courses

8. Heads: (a) Matl. SA240 316 (b) Matl. SA240 316 (Spec No., Grade) (Spec No., Grade)

Table with 10 columns: 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). Rows (a) TOP and (b) BOTTOM.

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

9. MAWP 15 250 (Internal) (external) (external) °F (internal) (external) Min. design metal temp. -20 °F at 15 psi. Hydro. test pressure 19.5 psi.

10. Nozzles, inspection and safety valve openings:

Table with 9 columns: Purpose (Inlet, Outlet, Drain), No., Diam. or Size, Type, Matl., Nom. Thk., Reinforcement Matl., How Attached, Location. Rows include cleanout / misc, MISC / VENT, level switch / spare, MANWAY, pressure gauge, pressure relief, SIGHTGLASS, THERMOWELL.

11. Supports: Skirt NO Lugs TWO Legs - Other 4-SUPPORT REPADS Attached HEAD / SHELL / WELDED (Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: #8 144"OD HEADS NORTHLAND STAINLESS INC. MFG'S (0720845-3&4) / 20" MANWAY BETTS IND. INC. MFG'S SERIAL NO. (9619-083)

(Name of part, item number, Mfg'r's name and identifying stamp)

SAFETY RELIEF PROVIDED BY OTHERS PER UG-125 & UG-135 / NO IMPACT TESTING PER UHA 51(d) HYDRO TESTED IN HORIZONTAL POSITION / ALL RFSO FLANGES ARE SA182 F316L

CERTIFICATE OF SHOP / FIELD 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. "U" Certificate of Authorization No. 25,152 expires 10/07/2008 Date 8-13-07 Co. Name PAGET EQUIPMENT CO. Signed [Signature] (Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by PAGET EQ. CO. DIV. OF J.B.L. INT. at 417 EAST 29TH STREET MARSHFIELD, WI 54449 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of WI. and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on July 20, 2007, 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 this Manufacturer's 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 8/13/07 Signed [Signature] Commissions NB12025A, WI 250982 (Authorized Inspector) (Nat'l Board, (incl. endorsements) State, Prov. and No.)

**FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)**  
**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**

**22692** **7/3**

1. Manufactured and certified by NORHLAND STAINLESS, INC., 1119A BRIDGE STREET TOMAHAWK, WISCONSIN 54487  
 (Name and address of Manufacturer)
2. Manufactured for Paget Equipment P.O. Box 369 Marshfield, WI 54449 P.O.#53092  
 (Name and address of Purchaser)
3. Location of installation Unknown  
 (Name and address)
4. Type: 144" O.D. Welded Flanged and Dished Heads 0720845- 3 & 4 (CRN)  
 (Description of vessel part (shell, two-piece head, tube bundle)) (Mfg's serial No.)  
S-20845 Northland Stainless, Inc. 2007  
 (Nat'l. Bd. No.) (Drawing No.) (Drawing prepared by) (Year built)
5. ASME Code, Section VIII, Div. 1 2004, A06 Code Case No.          Special Service per UG-120(d)  
 Edition and Addenda (date)

6. Shell (a) No. of course(s):          (b) Overall length (ft & in.):         

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

7. Heads: (a) SA-240 316 0.25" Nom. Thk. (b) (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.
(a) Unknown	.165	0	115.2	14.4	-	-	-	-	Unknown	Unknown	1	None	-
(b) -	-	-	-	-	-	-	-	-	-	-	-	-	-

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

8. MAWP Unknown Unknown psi at max. temp. Unknown Unknown °F Min. design metal temp.          °F at test temperature of          °F  
 (internal) (external) (internal) (external)

9. Impact test None  
 (Indicate yes or no and the component(s) impact tested)

10. Hydro., ~~proof~~ ~~proof~~ test press.          By others          Proof test         

11. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

12. Supports: Skirt          Lugs          Legs          Others          Attached          (Where and How)  
 (Yes or No) (No.) (No.) (Describe)

13. Remarks No design functions were performed by Northland Stainless, Inc.

**CERTIFICATE OF SHOP/FIELD COMPLIANCE**

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

U Certificate of Authorization No. 12346 Expires 8/28/2007

Date 3/30/07 Name NORHLAND STAINLESS, INC. Signed Harry Kuisel  
 (Manufacturer) (Representative)

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**CERTIFICATE OF SHOP/FIELD INSPECTION**

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the pressure vessel part described in this Manufacturer's Data Report on March 30, 2007 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part 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 part described in this Manufacturer's 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 March 30, 2007 Signed [Signature] Commissions WI-100113  
 (Authorized Inspector) (Nat'l Board Incl. endorsement, State, Province and No.)

NB:  
22692 3/2

**FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)  
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**

1. Manufactured and certified by Betts Industries, Inc. 1800 Pennsylvania Avenue West, Warren, PA, USA 16365  
(Name and address of Manufacturer)

2. Manufactured for Stock  
(Name and address of Purchaser)

3. Location of installation Unknown  
(Name and address)

4. Type: Manway collar & cover (Model 8350LC-10) 9619 (001 THRU 090) OH0034.56214730, OH2540.58, OH0338.312  
(Description of vessel part (shell, two-piece head, tube bundle)) (Mfr.'s serial No.) (CRN)  
8350-12 Betts Industries, Inc. 2007  
(Nat'l. Bd. No.) (Drawing No.) (Drawing prepared by) (Year built)

5. ASME Code, Section VIII, Div. 1 2004 Edition 2006 Addenda  
(Edition and Addenda (date)) (Code Case No.) (Special Service per UG-120(d))

6. Shell (a) No. of course(s): 1 (b) Overall length (ft & in.): 0' 10"

Course(s) No.	Diameter, in.	Length (ft & in.)	Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
			Spec./Grade or Type	SA-240/S31603	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	20-5/16OD	0' 10"	SA-240/S31603	1/4"	-----	1	None	0.7	-----	-----	-----	-----	-----	-----

7. Heads: (a) SA-240 - S31603 - None (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		Eff.
	Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	
(a) Top	.162	-----	19.68	1-3/8"	-----	-----	-----	-----	X	X	S	None	1.0
(b)													

If removable, bolts used (describe other fastening) Bolts: SA-705 630 H1100 5/8 - 6, Wing Nuts: SA-479 S30400 - 5/8 - 6  
(Mat'l Spec. No., Grade, Size, No.)

8. MAWP 50 F.V. psi at max. temp. 650 650 °F. Min. design metal temp. -40 °F at 50 & F.V. psi.  
(Internal) (external) (Internal) (external)

9. Impact test No - Exempted per UHA - 51(d), (e) & (f) at test temperature of ----- °F.  
(Indicate yes or no and the component(s) impact tested)

10. Hydro., pneu., or comb. test press. ----- Proof test No Proof test performed

11. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	

12. Identification of part(s)

Name of Part	Quantity	Line No.	Mfr.'s Identification No.	Mfr.'s Drawing No.	CRN	National Board No.	Year Built

13. Supports: Skirt No Lugs ----- Legs ----- Others ----- Attached -----  
(Yes or no) (No.) (No.) (Describe) (Where and how)

14. Remarks: Betts Industries is responsible for all the design of these pressure vessel parts. No Hydro test by Betts.

**CERTIFICATE OF SHOP/FIELD COMPLIANCE**

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

U Certificate of Authorization No. 10,776 Expires February 17, 2010  
Date February 28, 2007 Name Betts Industries, Inc. Signed John K. Pierson  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP/FIELD 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 Pennsylvania and employed by HSB CT of Hartford, Connecticut have inspected the pressure vessel part described in this Manufacturer's Data Report on February 28, 2007

and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part 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 part described in this Manufacturer's 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 February 28, 2007 Signed [Signature] Commissions PA2202  
(Authorized Inspector) (Nat'l Board incl. endorsement, State, Province and No.)