FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by **Alfa Laval Inc., 5400 International Trade Drive, Richmond, Virginia, 23231**
(Name and address of Manufacturer)

2. Manufactured for **N/A**
(Name and address of Purchaser)

3. Location of installation **Corn Products International, Inc, 1021 Industrial Dr, Stockton, CA, 95206**
(Name and address)

4. Type **Vertical** (Horiz., vert., or sphere) | **Plate Heat Exchanger** (Tank, separator, jkt. vessel, heat exh., etc.) | **30113-93635** (Mfg's serial No.)

N/A (CRN) | **30113-93635.0** (Drawing No.) | **32122** (Nat'l. Bd. No.) | **2012** (Year built)

5. ASME Code, Section VIII, Div. 1 | **2010/ A11** Edition and Addenda (date) | **N/A** Code Case No. | **N/A** 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 multichamber vessels.

6. Shell (a) No. of course(s): **N/A** (b) Overall length: **0'**

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

7. Heads: (a) **SA-516-70** (Mat'l Spec. No., Grade or Type) (H.T. - Time & Temp.) (b) **SA-516-70** (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)	Fixed	2.37"	0"	N/A	N/A	N/A	N/A	N/A	99" x 46"			N/A	N/A	N/A
(b)	Movable	2.37"	0"	N/A	N/A	N/A	N/A	N/A	93" x 46"			N/A	N/A	N/A

If removable, bolts used (describe other fastening) **SA193-B7 (8) 1.54" (M39 actual) BOLTS**
(Mat'l, Spec. No., Grade, Size, No.)

8. Type of jacket **N/A** Jacket closure **N/A**
(Describe as ogee & weld, bar, etc.)

If bar, give dimensions **N/A** If bolted, describe or sketch.

9. MAWP **44 psi** (internal) **N/A** (external) at max. temp. **248 °F** (internal) **N/A** (external) Min. design metal temp. **-20 °F** at **44 psi**

10. Impact test **NO (Impact Exemption UCS-66(a), (b), UHA-51, UNF-65, as applicable)** at test temperature of **N/A**
(Indicate yes or no and the component(s) impact tested)

11. Hydro., pneu., or comb. test press. **HYDRO at 57 psi** Proof test **N/A**

Items 12 and 13 to be completed for tube sections.

12. Tubesheet: **N/A** (Stationary (Mat'l Spec. No.)) | **N/A** (Dia., (subject to press.)) | **N/A** (Nom. thk.) | **N/A** (Corr. Allow.) | **N/A** (Attachment (welded or bolted))

N/A (Floating (Mat'l Spec. No.)) | **N/A** (Dia.) | **N/A** (Nom. thk.) | **N/A** (Corr. Allow.) | **N/A** (Attachment)

13. Tubes: **N/A** (Mat'l Spec. No., Grade or Type) | **N/A** (O. D.) | **N/A** (Nom. thk.) | **N/A** (Number) | **N/A** (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: **N/A**

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

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

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

NB Number 32122

16. MAWP N/A (internal) N/A (external) at max. temp. N/A (internal) N/A (external) Min. design metal temp. N/A at N/A

17. Impact test N/A (Indicate yes or no and the component(s) impact tested) at test temperature of N/A

18. Hydro., pneu., or comb. test press. N/A Proof test N/A

19. 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	
Inlet	1	16"	STUDS	SA193-B7		1"					
Outlet	2	4"	STUDS	SA193-B7		5/8"					
Inlet	2	6"	STUDS	SA193-B7		3/4"					
Outlet	1	22" X 11"	STUDS	SA193-B7		5/8"					

20. Supports: Skirt _____ (Yes or no) Lugs N/A (No.) Legs N/A (No.) Others FEET (Describe) Attached BOLTED (Where and how)

21. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

N/A
(List the name of part, item number, mfg's. name and identifying number)

22. Remarks:

Actual Plates (326) SA-240-316 .024" (388)" Plates Maximum; Distance between Heads = 83.6462";
Customer PO#: 4500615276; Tag #: ; Owner to supply Safety Valve/Noncorrosive Service Only

CERTIFICATE OF SHOP 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. 25017 Expires July 5, 2013

Date 06/15/2012 Name Alfa Laval Inc. (Manufacturer) Signed (Representative)

CERTIFICATE OF SHOP 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 VA and employed by OneBeacon America Insurance Co., of Lynn, MA have inspected the pressure vessel described in this Manufacturer's Data Report on June 7, 2012, 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 06/15/2012 Signed (Authorized Inspector) Commissions 10803A, VA951R (Nat'l Board incl. endorsements, State, Province and No.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements made in this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1. U Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (Assembler) Signed _____ (Representative)

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 Manufacturer's 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 to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with the 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 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 _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l Board incl. endorsements, State, Province and No.)