THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

NB-66, Rev. 16, (02/04/21)

FORM R-1 REPORT OF REPAIR

in accordance with provisions of the *National Board Inspection Code*

(Authorized Rep. initials)

(Inspectors initials)

(Form "R" Registration no.)

1. WORK PERFORMED BY: Tiger Industries, Inc. (name of repair organization) — 200840 (P.O. no., job no., etc.)

   8909 JACKRABBIT RD, SUITE B HOUSTON, TX 77095 (address)

2. OWNER: Tiger Industries, Inc. (name)

   8909 JACKRABBIT RD, SUITE B HOUSTON, TX 77095 (address)

3. LOCATION OF INSTALLATION: Unknown (name)

   (address)

4. ITEM IDENTIFICATION: Air Cooled Heat Excha (boiler, pressure vessel, or piping) NAME OF ORIGINAL MANUFACTURER: SmithCo Engineering, Inc.

5. IDENTIFYING NOS: 95B-1321-A (mfg. serial no.) | 6428 (National Board no.) | (jurisdiction no.) | (other) | 1995 (year built)

6. NBIC EDITION/ADDENDA: 2021 (edition) (addenda)

   Original Code of Construction for Item: ASME Section VIII, Division I (name / section / division) 1992 / A93 (edition / addenda)

   Construction Code Used for Repair Performed: ASME Section VIII, Division I (name / section / division) 2021 (edition / addenda)

7. REPAIR TYPE: ☐ welded ☐ graphite pressure equipment ☐ FRP pressure equipment ☐ DOT

8. DESCRIPTION OF WORK: ☐ Form R-4, Report Supplementary Sheet is attached ☐ FFSA Form (NB-403) is attached
   (use Form R-4, if necessary))

   Replaced old flanges on inlet and outlet nozzles with new identical flanges.

   Hydro-Static (Liquid, Pneumatic, Vacuum, Leak) Pressure Test, if applied 225 psi MAWP 150 psi

9. REPLACEMENT PARTS: (Attached are Manufacturer's Partial Data Reports or Form R-3's properly completed for the following items of this report):
   (name of part, item number, data report type or Certificate of Compliance, mfg's. name and identifying stamp)

10. REMARKS:

(Form "R" Registration no.)
200840
(P.O. no., job no., etc.)

CERTIFICATE OF COMPLIANCE

I, Austin Karl, certify that to the best of my knowledge and belief the statements made in this report are correct and that all material, construction, and workmanship on this Repair conforms to the *National Board Inspection Code*. National Board "**R**" *Certificate of Authorization* No. R-8878 Expiration date: October 26, 2024

Repair Organization: Tiger Industries, Inc.

Signed: _____
(authorized representative)

Date: 1-31-24

CERTIFICATE OF INSPECTION

I, John Washington, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency, where required, issued by the Jurisdiction of TX and employed by TUV Rheinland AIA Services of Houston, TX have inspected the work described in this report on January 31st, 2024 and state that to the best of my knowledge and belief, this work complies with the applicable requirements of the *National Board Inspection Code*. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage, or loss of any kind arising from or connected with this inspection.

Commissions: NB 8600 A BR TX 925
(National Board and Jurisdiction no. including endorsement)

Signed: _____
(inspector)

Date: 1-31-24

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

1. Manufactured and certified by SMITHCO Engineering, Inc., 6211 S. 39th W. Ave., Tulsa, OK 74132 (Name and address of manufacturer)
2. Manufactured for ALLEN TANK, INC. NEW IBERIA, LA 70562 (Name and address of purchaser)
3. Location of installation ALLEN TANK, INC. UNKNOWN (Name and address)
4. Type Horiz(Non-Cir) (Horiz. or vert. tank) | 95B-1321-A (Mfgr's serial No.) | ---------- (CRN) | 95B-1321 (Drawing No.) | 6428 (Nat'l Bd. No.) | 1995 (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 1992 (Year)

to A93 (Addenda (Date)) (Code Case Nos.) (Special Service per UG-120(d))

6. Shell: Tube & Plug Sheets SA-516 GR-70 (Matl (Spec No. Grade)) | Fr 1.000/ Bk 1.000 (Nom Thk (in.)) | .1250 (Corr. Allow. (in.)) | Fr 0' 7.8750"/Bk 0' 7.8750" (Diam I.D. (ft. & in.)) | 12' 6.1250" (Length (overall) (ft. & in.))
7. Seams: Corner Joint (Long. (Welded, Dbl. Butt, Single, Lap, Butt)) | ---- (R.T. (Spot or Full)) | 100 (Eff.(%)) | 1100 (H.T. Temp. (°F)) | 30min. (Time (hr)) | ---- (Girth (Welded, Dbl. Butt, Spot, Lap, Butt)) | ---- (R.T. (Spot, Partial or Full)) | 1 (No. of Courses)
8. Heads: (a) Matl. (a) Covers: SA-516 GR-70 (Spec. No. Grade) b) Matl. (b) Ends: SA-516 GR-70 (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)	Fr/Bk	.375/.375	.1250						2.1250/2.1250 x 150.1250	Flat
(b)	Fr/Bk	.375/.375	.1250						2.1250/2.1250 x 7.3750/7.3750	Flat

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

9. MAWP 150 psi at max. temp 250 °F

Min. design metal temp. -20 °F at 150 psi. Hydro., ~~pneu., or comb.~~ test pressure 225 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
Inlet/Outlet	2/2	3"150/160	RFWN	SA-105/	.438	Weld Metal	Welded	Front Head
Vent/Drain	2	1.0/1.0	6000CPLG	SA-105		Weld Metal	Welded	Back Head

11. Supports: Skirts No (Yes or No) Lugs (No.) Legs 4 (No.) Other (Describe) Attached Welded to covers (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:

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

Impact testing exempt per: UG-20(f) Item: HAL-7650 Service: LEAN AMINE COOLER
Tubes: SA-214 WLD- 258 x 1.00" x .065" x 32.0000'-Straight

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. 4175 expires February 28th, 19 97.

Date 10-10-95 Co. name SMITHCO Engineering, Inc (Manufacturer) Signed J. Copeland (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by SMITHCO Engineering, Inc. at Tulsa, Oklahoma

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesssel Inspectors and/or the State of Province of Oklahoma and employed by Delta Lloyds Insurance Company - Houston, Texas have inspected the component described in this Manufacturer's Data Report on 10-12 19 95, 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. Futhermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 10-12-95 Signed (Authorized Inspector) Commissions NB7003,A,OK355 (Nat'l Board (incl. endorsements), State, Prov. and No.)