



FORM R-2 REPORT OF ALTERATION

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

AK
(Authorized Rep. initials)

KE
(Inspectors initials)

NA
(Form "R" Registration no.)

Wo# 4322

(P.O. no., job no., etc.)

1a. DESIGN PERFORMED BY: Judson Tank Co.
(name of "R" organization responsible for design)
911 Southbend Ave. Mankato Minnesota. 56001
(address)

1b. CONSTRUCTION PERFORMED BY: Judson Tank Co.
(name of "R" organization responsible for construction)
911 SouthBend Ave. Mankato Minnesota..56001
(address)

2. OWNER OF PRESSURE RETAINING ITEM: Joe mcilvain
(name)
7556 Cleveland road, Wooster, OH. 44961
(address)

3. LOCATION OF INSTALLATION: For Resale- Unknown
(name)
(address)

4. ITEM IDENTIFICATION: horizontal LPG vessel NAME OF ORIGINAL MANUFACTURER: Trinity Industries, inc.
(boiler, pressure vessel, or piping)

5. IDENTIFYING NOS: 122333 94180 1996
(mfg. serial no.) (National Board no.) (jurisdiction no.) (other) (year built)

6. NBIC EDITION/ADDENDA: 2019 1995/A96
(edition) (addenda)

Original Code of Construction for Item: ASME Sect. VIII Div I 1995/A96
(name / section / division) (edition / addenda)

Construction Code Used for Alteration Performed: ASME Sect VIII Div I 2019
(name / section / division) (edition / addenda)

7a. DESCRIPTION OF DESIGN SCOPE: ☒ Form R-4, Report Supplementary Sheet is attached

Reinforcement calculations for 2 1/2" & 3" performed and adequate inherent to its' thickness. Base metal SA-612.

7b. DESCRIPTION OF CONSTRUCTION SCOPE: ☐ Form R-4, Report Supplementary Sheet is attached

Installed 1- 2 1/2" threaded half coupling, 6000# on front center head float opening. Installed 1-3" threaded half coupling, 6000# on front bottom shell. Installed 2-2" 6000# 1/2 cplgs on bottom shell. installed 3-2" 6000# cplgs on top back end (relief). installed 2-3/4" 6000# cplgs. All cplg are SA-105 forged steel. SMAW used WPS- SM-106-ps-rv 0. Installed 1 3" std Sa-53-B ERW pipe over the top of rear 2" bottom cplg for vapor stand pipe. performed weld build up on misc corrosion pits on shell, then sanded flush

hydrostatic Pressure Test, if applied 325 psi MAWP 250 psi

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8. 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)

9. REMARKS:

alteration tag placed near original stamping.

DESIGN CERTIFICATION

I, Jason Hellickson, certify that to the best of my knowledge and belief the statements in this report are correct and that the Design Change described in this report conforms to the *National Board Inspection Code*. National Board "R" Certificate of Authorization No. 4268 expires on 03-20-2022
Date 10-8-20, Judson Tank Co. Signed Jason Hellickson
(name of design organization) (authorized representative)

CERTIFICATE OF DESIGN CHANGE REVIEW

I, Keegan Ling, holding a valid Commission issued by The National Board of Boiler and Pressure Vessel Inspector and certificate of competency, where required, issued by the jurisdiction of Minnesota and employed by The Hartford Steam Boiler Insurance and Inspection Company of Connecticut have reviewed the design change as described in this report and state that to the best of my knowledge and belief such change 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.
Date 10-8-20 Signed Keegan Ling Commissions NB 10262 R, MN C0734015
(inspector) (National Board and jurisdiction no. including endorsement)

CONSTRUCTION CERTIFICATION

I, Jason Hellickson, certify that to the best of my knowledge and belief the statements in this report are correct and that all material, construction, and workmanship on this Alteration conforms to the *National Board Inspection Code*. National Board "R" Certificate of Authorization No. 4268 expires on 03-20-2022
Date 10-8-20, Judson Tank Co. Signed Jason Hellickson
(name of alteration organization) (authorized representative)

CERTIFICATE OF INSPECTION

I, Keegan Ling, 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 Minnesota and employed by The Hartford Steamboiler Insurance and Inspection Company of Connecticut have inspected the work described in this report on 9-14-20 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.
Date 10-8-20 Signed Keegan Ling NB 10262 R, MN C0734015
(inspector) (National Board and jurisdiction no. including endorsement)