

FORM U-1A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by American Car and Foundry Division, Milton, Pennsylvania
(Name and address of Manufacturer)

2. Manufactured for Harold Bater, Inc., Box 112, Broomall, Pennsylvania
(Name and address of Purchaser)

3. Type Horiz. Vessel No. (44-62074-2) (Mfrs. Serial) (State & State No.) PA Natl. Bd. No. 21245 Yr. Built 1966

4. SHELL: Matl. SA-212 Gr. B T.S. 70000 FB Nom. 15/16 Corr. 10-1/8 In. Allow. 10 In. Diam. 47 Ft. In. Length 0-13/16 Ft. In.

5. SEAMS: Long F.W. D.B. H.T. Yes X.R. Compl. No Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth F.W. D.B. H.T. Yes X.R. Compl. No Sectioned No No. of Courses 4

6. HEADS: (a) Material SA-212 Gr. B T.S. 70000 FB (b) Material SA-212 Gr. B T.S. 70000 FB

Location (Top, Bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) <u>End</u>	<u>15/32</u>					<u>65-1/16</u>		<u>Concave</u>
(b) <u>End</u>	<u>15/32</u>					<u>65-1/16</u>		<u>Concave</u>

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. Constructed for max. allowable working press. 250 psi. at max. temp. 650 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Test Press. 400 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 4" Location Top of tank

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached

10. INSPECTION MANHOLES, No. 1 Size 18" Location Top of tank

OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt _____ Lugs _____ Legs _____ Other Saddles Attached Welded to tank
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: Vessel fabricated under 1965 Code W-XR-HT for non-corrosive service (Propane).
Manway Cover: SA-212 Gr. B 25" dia. x 2-1/4" thick x 22-3/4" bolt circle, with additional openings: 1 - 3/4", 4 - 2".
Additional openings in tank: 1 - 3/4", 1 - 2.323", 1 - 3".

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents.)

1 If postweld heat-treated.
 2 List other internal or external pressures with coincident temperatures when applicable.

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 Unfired Pressure Vessels.

Date 5 1966 19 Signed ACF Industries, Incorporated By R. E. Snyder
(Manufacturer)

Certificate of Authorization Expires No. 677 December 31, 1967

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY American Car and Foundry Division, Milton, Pennsylvania

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by Hartford Steam Boiler Insp. & Ins. Co. Hartford, Connecticut have inspected the pressure vessel described in this manufacturer's data report on 5 1966 1966, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

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 JAN 5 1967 1967

Richard H. Went Inspectors Signature Commission NB 5161
(National Board of State and No.)

FORM R-2 REPORT OF ALTERATION
in accordance with provisions of the *National Board Inspection Code*

1a. Construction performed by Judson Tank Co. R297
(Name of "R" Organization responsible for construction) (Form "R" No.)
221 W 6th st. Mankato, MN 56001 3892
(Address) (PO No., Job No., etc.)
 1b. Design performed by Judson Tank Co. R297
(Name of "R" Organization responsible for design) (Form "R" No.)
Same as above 3892
(Address) (PO No., Job No., etc.)

2. Owner Total Energy
(Name)
no 2 Hardscrable Road North Salem NY.
(Address)
 3. Location of installation for resale - unknown.
(Name)

4. Unit identification LPG Vessel Name of original manufacturer ACF Ind.
(Boiler, Pressure Vessel)
 5. Identifying nos.: 44-62075-2 21245 1966
(Mfg Serial No.) (National Board No.) (Jurisdiction No.) (Other) (Year Built)
 6. NBIC Edition/Addenda 2007 A10
(Edition) (Addenda)

Original Code of Construction for Item: ASME VIII Div I 19
(Name / Section / Division) (Edition / Addenda)
 Construction Code used for Alteration performed: ASME VIII Div I 2010 A10
(Name / Section / Division) (Edition / Addenda)
 7a. Description of construction work: installed by welding 2-3" 6m# 95 thd 1/2 cplg.
(use supplemental sheet, Form R-4, if necessary)
1-2" 3m# Fs thd 1/2 cplg both SA-105 - All abutting style nozzle.
all used 300°F preheat - NBIC AIT #1 method to PWHT. PT Before
& after installation. install 3" stand pipe over the 2" opening.
 7b. Description of design scope: 3" nozzle performed Reinforcement calcs.
(use supplemental sheet, Form R-4, if necessary)

Pressure Test, if applied pneumatic 275 psi MAWP 250. psi
 8. Replacement Parts. Attached are Manufacturer's Partial Data Reports or Form R-3s properly completed for the following items of this report:

(Name of Part, Item Number, Data Report Type, Mfg. Name, and Identifying Mark)

9. Remarks:

FORM R-2 REPORT OF ALTERATION
in accordance with provisions of the National Board Inspection Code

Form R-2 (back)

R247
(Form "R" No.)

DESIGN CERTIFICATION

I, Mark Kane, 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 3-20-2013
Date 5-12-11 Judson Tank Co. Signed [Signature]
(Name of Design Organization) (Authorized Representative)

CERTIFICATE OF DESIGN CHANGE REVIEW

I, Dennis Poulos, 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 New York and employed by H&BCT 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 5/12/11 Signed [Signature] Commission NB#12054A, NY#5278
(Inspector) (National Board and Jurisdiction No.)

CONSTRUCTION CERTIFICATION

I, Mark Kane, 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 3-20-2013
Date 5-12-11 Judson Tank Co. Signed [Signature]
(Name of Construction Organization) (Authorized Signature)

CERTIFICATE OF INSPECTION

I, Dennis Poulos, 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 New York and employed by H&BCT of Connecticut have inspected the work described in this report on 5/12/11 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 5/12/11 Signed [Signature] Commission NB#12054A, NY#5278
(Inspector) (National Board and Jurisdiction No.)