

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

1. Manufactured by Process Engineering Inc., Plaistow, New Hampshire 03865
(Name and address of Manufacturer)

2. Manufactured for Big Three Industries, Inc., P. O. Box 3047, Houston, Texas 77001
(Name and address of Purchaser)

3. Type Horizontal Vessel No. C-13074 (Mfr. Serial) (State & State No.) Natl. Bd. No. 3630 Yr. Built 1974

4. SHELL: Matl. SB209(5083-0) T.S. 40,000 Nom. Thk. .423 Corr. Allow 000 In. Diam. 8 Ft. 6.846 In. Length 32 Ft. 6.000 In.
(Kind and Spec. No.) (Fig. or F.H. & Spec. Min. T.S.)

5. SEAMS: Long Welded single butt H.T. No R.T. Complete Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

6. HEADS: (a) Material SB209(5083-0) T.S. 40,000 (b) Material SB209(5083-0) T.S. 40,000
(Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flnt Diameter Side to Pressure (Convex or Concave)

(a) Forward	.474			2:1					Concave
(b) Aft	.474			2:1					Concave

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

7. Constructed for max. allowable working press. 63 psi at max. temp. +100 °F. Min. temp. (when less than -20°) -320 °F. Hydrostatic Test Press 124 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number NA Size NA Location NA

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Bottom Fill (A)	1	2.000	Round Bar	5083	.250	None	Welded
Vent (B)	1	2.000	Round Bar	5083	.250	None	Welded

10. INSPECTION Manholes, No. NA Size NA Location NA
 OPENINGS: Handholes, No. NA Size NA Location NA
 Threaded, No. NA Size NA Location NA

If riveted or brazed describe seams fully under remarks.

11. SUPPORTS: Skirt No Lugs NA Legs NA Other Straps and Bumpers Attached Strut brkts, welded to air head inner and support rings outer, inner vessel support straps welded to outer.

12. REMARKS: Nozzles Cont'd: Top Fill (C), 1, 2.000, Round Bar, 5083, .250, None, Welded
 Bottom Gage (D) 1 2.000 Round Bar 5083 .250 None Welded
 Top Gage (E) 1 2.000 Round Bar 5083 .250 None Welded
 Full Trycock (F) 1 2.000 Round Bar 5083 .250 None Welded
 Delivery Line (L) 1 2.000 Round Bar 5083 .250 None Welded

Vessel Designation: Model H-15100 Storage Tank for liquified oxygen. Internal of vessel oxygen cleaned. Code jurisdiction terminates at first circumferential welded pipe joint. (non corrosive service if postweld heat-treated.)
List other internal or external pressures with coincident temperature when applicable.

Jacket not coded.

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 I.

Date NOV. 4 19 74 Signed Process Engineering Inc. By Joseph L. Linton
(Manufacturer)

Certificate of Authorization Expires March 30, 1977

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Process Engineering Inc. at Plaistow

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province N. H. and employed by Royal Indemnity Co. of New York, New York have inspected the pressure vessel described in this manufacturer's data report on 10/31 1974, 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 resulting from this inspection.

Date 11/4 19 74 Inspector's Signature George Fishman Commissions NB-6172
OHIO-PA WC 1632
Natl Board, State, or Province and No.