

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

As Required by the Provisions of the A.S.M.E. Code Rules

Anco 0/1478

Preferred

- 1. Manufactured by FLINT STEEL CORPORATION, MEMPHIS, TENNESSEE S.O. No. 5770-A
(Name and address of the manufacturer)
- 2. Manufactured for Anco - Spencer Chemical Co., Kansas City, Mo. P. O. No. CP-1848
(Name and address of the purchaser)
- 3. Type Horiz. Vessel No. (51707) (Mfrs. Serial) (State & State No) Nat'l Bd. No. 51707 Yr. Built 1961
(Horiz. or Vert.)
- 4. SHELL: Material A299ModBFG S. 73000 Thickness .562 in. Diam. 6 ft. 10 1/2 in. Length 40 ft. 0 in.
(Kind and Spec. No.) (Fig. or FB. & Lowest T.S.)
- 5. SEAMS: Long Dbl. Butt S.R. Yes X.R. Complete Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Girth Dbl. Butt S.R. Yes X.R. Complete Sectioned No No. of Courses 6
- 6. HEADS: (a) Material A299ModAFC T.S. 75000 (b) Material A299 ModA FC T.S. 75000
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) End .322" Min. 40.9" Concave
(b) End .322" Min. 40.9" Concave
- 7. Constructed from Int. pressure of 250 psi. Max. Temp. 115 °F. Subzero -20 °F. Hydrostatic Test 375 psi.
- 8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 2" FPT Location in top shell
- 9. NOZZLES:

Purpose, (Inlet Outlet Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Liquid	2	1-3" & 1-2"	Coup.	Steel	3000#	Inc.	Welded
Vapor	2	2"	Coup.	Steel	3000#	Inc.	Welded
Liquid Gage	1	2-1/2"	Coup.	Steel	3000#	Inc.	Welded
Max. Fill & Pres.	1	3/4"	Coup.	Steel	3000#	Inc.	Welded

- 10. INSPECTION Manholes, No. No Size _____ Location _____
OPENINGS Handholes, No. No Size _____ Location _____
- 11. SUPPORTS: Skirt No Lugs No Legs No Other Grounding Attached Welded
(Yes or No) (Number) (Number) (Describe) (Where & How)
- 12. REMARKS: ~~UNK~~ Gas NH3 - 82-1/2" CD x 40'0" SL x 46'10-1/2" CAL 12000 Water Gallon Capacity
(Type Tank & Purpose for which it is Designed)
Built per 1959 ASME Code Sec. II, VIII & IX per per UW40 - UW51 - UCS56 for 250# W.P. with 5 pc. Hemi Hds. Spot X-ray .85% Joint Eff.

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Unfired Pressure Vessels.

This vessel constructed in accordance with plans and specifications shown on DRAWING NO. A-12000-82 1/2 MK'D as of Date MAR 3 1961 19 Signed FLINT STEEL CORPORATION (Manufacturer) By J E Davis

Certificate of Authorization Expires No. 72 DEC. 31, 1961

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. E1707

VESSEL MADE BY FLINT STEEL CORPORATION at MEMPHIS, TENNESSEE

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in NATIONAL Board No. 466 and employed by OCEAN ACCIDENT & GUARANTEE CORP. of New York,

inspected internally and externally, the vessel described in this report on MAR 13 1961 and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date MAR 3 1961 19 _____

Louisa Harris Commissions: NATIONAL BOARD No. 380K
Inspector's Signature