104256

B.P.F.# 42422

FORM U-1 MANUFACTURERS' DATA REPORT FOR Phasiure VESSELS As required by the Provisions of the ASME Code Rules, Section VIII, Division I

K-6497 1. Manufactured by MISSOURT BOSLER & TANK CO. DIV. OF MOUNTE CORP.)
(Name and address of Manufacturer) ST. MISSOURY WXLBINGTON DELAWARE (Name and address of Purchaser) 2. Manufactured for FERCULES, INC. 3. Type Verto Kind Hto Excho Vessel No. (Horiz. or Vert.) Kind (Tank, Jacketed, Heat Exch.) (Mfrs. Serial) (State & State No. (State N Yr. Built 1972 Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers. S. 70,000 Nominal 7/2 Corrosion 1/16 In. Diam. 4 Ft 9 In. Length 9 Ft. (Fig. or F.B. & Spec. Min. T.S.) 4. SHELL: Material 2A-516-70 (Kind and Spec. No.) If riveted de-5. SEAMS: Long Role Rutt H.T. No (Welded, Dbl., Single, Lap, Butt) R.T. Spot Sectioned (Yes or No) R.T. (Spot or Complete) (Yes or No) scribe seams fully on reverse side of form. Girth Dbl. Butt _ н.т. <u>Рю</u> R.T. Spot Sectioned 150 No. of Courses T.S. Knuckle _ (b) Material _ Elliptical Ratio A Flat Side to Pressure Diameter (Convex or Concave) 6. HEADS (a) Material Hemispherical Radius Location (Top, bottom, ends) Thickness Apex Angle If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening ___ (Describe or Attach Sketch) Material)

If hollow Attachment Pitch X Diam.

(Nominal)

(Size of Hole) (Threaded, Welded)

(Horiz.) (Vert.) 8. JACKET CLOSURE: __ (Describe as ogee & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch) Hydrostatic Hydrostatic Test 9. Constructed for max. allowable working press 2 165 Min. temp. (when psi at max. temp. 9370 ° F. less than -20°) F. Gerhieren Press <u> 248 -</u> Items 10 and 11 to be completed for tube sections 10. TUBE SHEETS: Stationary. Material 5A-240-304 Diam. 57 In. Thickness 2 5/18. Attachment Welded, Subject to Pressure) (Welded, Bolted) (Kind & Spec. No.) Floating. Material___ Diam. __In. Thickness ___In. Attachment (Kind & Spec. No.) In. Thickness 18 EWG Inches or Gage Number 3060 Type STR o (Straight or U) (Kind & Spec. No.) Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers. 12. SHELL Material SA-240-304 (Kind and Spec. No.) T.S. 75,000 Nominal Thickness 1/4 In. Allowance In. Diam. 4 9. 1/2 Length 6 Ft. 2 (Fig. or F.B. & Spec. Min. T.S.) If riveted de-13. SEAMS: Long Pola Butt H.T. No R.T. Spot Sectioned No (Welded, Dbl., Single, Lap, Butt) (Yes or No) R.T. Spot Sectioned (Yes or No) (Yes or No) scribe seams fully on reverse side of Girth Bbl. Butt н.т. _ № R.T. Spot Sectioned No. of courses form. 14. HEADS (a) Material SA-240-304 T.S. 75,000 (b) Material _ T.S. _ _(c) Material Crown Radius Knuc kle Elliptical Ratio Conical Apex Angle Hemispherical Radius Side to Pressure 3. 44 MIN Diameter (a) bottom kants (b) Channel (c) Floating If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b) See Romarke Other fastening Welded Hydrostatic Hydro-150 PS1 15. Constructed for max. THE ROBBIT OF THE PARTY OF Min. temp. (when allowable working press. 2 100 psi at max. temp. 370 °F. less than -20°) Air-10 2SIG OF. RECEIVED Items below to be completed for all vessels where applicable. 16. SAFETY VALVE OUTLETS: Number Size Location 17. NOZZLES Reinforcement Material How Attached Punnase (Inlet Outlet, Drain) Thickness Diam. or Size Number Type Material In & Out **SCHOO** 639 **SER1580** SA-53-B Welded 311 SA-312-304 SCH40S do do SA-240-304 1/4ºº do 20** OD Seri Sij 8A-516-70 ďο do do ďЭ

(Over)

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

FORM U-1 (back)

18. INSPECTION Manholes, No	Size	Location		
OPENINGS: Handholes, No	Size	Location		
Threaded, No.	Size	Location		
19. SUPPORTS: Skirt (Yes or No)	Lugs(Number)	Legs(Number)	Other (Describe)	Attached <u>Veldad</u> (Where & H To She
20. REMARKS:. Meho Recovery Couden	822			E.O SACE
P.O. No. 336-826-351	10-03-000			
Equip. No. 20452008		· · · · · · · · · · · · · · · · · · ·		
3 Tube & Tubesheet Design Temp	. = 100 F.			
(Brief description of purpose of the ve	ssel, as Air Tank, After	Cooler, Jacketed Cooker	, etc. State contents of e	ach part.)
We certify that the statements made in this	report are correct and	that all details of des	ign, material, construct	tion, and workmanship
of this vessel conform to the ASME Code for P	ressure Vessels, Secti	on VIII, Division I.		
Date 18 19 72 Sign	ned 1500 BOO 8: TE	nk Company	By Cathery	Russ
<i>()</i>				
Certificate of Authorization Expires	12-31-73			<u>/</u>
		THE PROPERTY OF		
	ERTIFICATE OF S			
VESSEL MADE BY Mo. Bo. & To				
I, the undersigned, holding a valid contact the State or Province No. 80	mmission issued by the l	National Board of Boiler	and Pressure Vessel Ins Casualty Compan	spectors and/or
			vessel described in this	
data report on allege of	1077-and s	tate that to the hest of	my knowledge and belief	f. the manufac-
turer has constructed this pressure vess Code.	sel in accordance with the	ne applicable sections o	f the ASME Boiler and P	ressure Vessel
By signing this certificate neither the	e Inspector nor his empl	oyer makes any warrant	y, expressed or implied,	concerning the
pressure vessell described in this manufin any manner for any personal injury	acturer's data report. Fu	thermore, neither the In	spector nor his employer	shall be liable
1/2000	1077	root or any mine another	5 ••••••	
Date	19	,		
H 2 Completed as	Commis	sions 6/80		
Inspectors Signature	Commis	Nat'l Boa	rd, State, or Province and	No.
CERTIF	ICATE OF FIELD	ASSEMBLY INSPE	CTION	
I, the undersigned, holding a valid co	ommission issued by the	National Board of Boile	r and Pressure Vessel In	spectors and/or
the State or Province	and employed by			of
}	have	compared the stateme	nts in this manufacture	r's data report