



Rev	Date	Reviewed by:	Approved by: Engineering Manager
0	07/30/01	J. Angelo	

EQUIPMENT - DATA SHEET

Equipment : V-19400 (Filtrate Receiver Tank)
Manufacturer : Industrial Alloy Fabricators, Inc.
Year Fabricated : 1976 (*Nameplate removed, not possible to identify*)
Natl. Board No. : 182 OR 181
Serial No. : 28356-13 OR -12
Classification : Class 2
PSM Covered : Yes
P&ID's : 11-F-934
TML Dwg No. : PSM-V19400
Contents :

* 93574

Item	Vessel
Design Condition	
Internal Pressure (psig)	15 (<i>reduced down from 35</i>)
External Pressure (psig)	1
Design Temperature (°F)	200
MDMT (°F)	-20
Hydrotesting –when fabricated in 1976 (psig)	60
Head Type (top/Bottom)	F&D
Material of construction	SA240 Ty-304L
Diameter	4'-6" (OD)
Length	16'-0" (ws to ws)
Corrosion Allowance	0.0
Heat treatment	N/A
Min. Wall Thickness (shell/head)	0.102" / 0.089"
Nom. Wall Thickness (shell/head)	0.25" / 0.21875"
Operation Condition	
Operation Pressure (psig)	Atmospheric - 1
Operation Temperature (°F)	50-122

NOZZLE SCHEDULE				
NO.	SIZE	CH.	DESCRIPTION	REMARKS
A	2	805	150" R.F. S.O. FLG.	DET. 4
B	3	405	150" L.J. FLG. & STUB END	WASH. LUG. OUT.
C	2	805	150" R.F. S.O. FLG.	HVY. LUG. OUT.
G	6	405	150" L.J. FLG. & STUB END	DET. 5
H	10	1/2"	DITTO	455 DET. 5 & 4K-454
H2	10	1/2"	DITTO	DITTO
J	18	1/2"	FAB. NOZ. - 455 DET. 7 & 4K-455	DITTO
J2	12	1/2"	FAB. NOZ. - 455 DET. 5 & 4K-456	DITTO
K	8	405	FAB. NOZ. - 455 DET. 5 & 4K-457	DITTO
L	1	1605	150" S.O. FLG. & F. W/BL. FLG.	FUT. LUG. W/BL. FLG.
L2	1	1605	DITTO	DITTO
L3	4	405	1/2" FLG. - 455 DET. 3	L.I.C.
L4	6	405	150" L.J. FLG. & STUB END - DET. 319	MOUNT FOR L5
L5	1	1605	150" S.O. FLG. & F.	L.I.C.
L6	1	1605	DITTO	L.I.C.
M	18	1/2"	FAB. NOZ. W/COVER - DET. 7	MANHOLE W/COVER
T	1/2	805	150" R.F. S.O. FLG.	T.I.
V	4	405	150" L.J. FLG. & STUB END - DET. 5	VENT & A.F.

- DESIGN DATA**
- DESIGN PRESSURE & TEMP = 40 PSIG @ 280°F
 - CORROSION ALLOWANCE = 1/16"
- CONSTRUCTION NOTES**
- VESEL TO BE BUILT & CONSTRUCTED PER 1974 ASME CODE, SECTION VIII, DIV. 1 & 30 STAMPED
 - MATERIALS**
HTS. & SH. - SA 240 TP 304L
NOZ. NUTS - SA 312 TP 304L
NOZ. FLG. (S.O. & L.J. FLG.) - SA 312 TP 304L
NOZ. FLG. (L.J.) - SA 312 TP 304L
M/H COVER - SA 285 GR. C
B/U FLG. - SA 285 GR. C
PARTS - SA 240 TP 304L
INTERNAL - SA 240 TP 304L
CLIPS - SA 240 TP 304L
SUPPORTS - SA 285 GR. C
GASKETS - 3/16" TFE ENVELOPE W/COMP. ASB FILLER 1/8" DIA.
BOLTS - SA 193 B7
NUTS - SA 193 B7
WELD MET. - 1/4" TO 5/8" E308L GS. TO 1/4" E309
GS. TO 1/4" E309
TEST GASKETS - JMBI COMP. ASB
 - ALL BOLT HOLES TO STRADDLE 0°-180° OR ITS PARALLEL
 - MAX. INSIDE NOZ. PROJ. = 1/2" EXCEPT BOTT. NOZZLES TO BE FLUSH
 - FACE FINISH = 125 AA & MFR'S STD.
 - SPOT X-RAY REQ'D
 - TEST = 80 PSIG HYDRO.
 - INSIDE & OUTSIDE OF VESSEL TO BE CLEANED OF RUST, LOOSE SCALE, GREASE, SPATTER, ETC.
 - SANDBLAST ALL CH. PARTS & PRIME ONE COAT PAINT
 - CLOSE ALL OPENINGS WITH GORT RUBBER GASKETS & METAL SHIPPING COVERS
 - ITEM NO., 0°-180°, SHIPPING WT., & NORTH ARROW TO BE PAINTED ON VESSEL
 - TEST GASKETS ON COMPLETED NOZZLES TO BE SHIPPED IN PLACE & NEW GASKETS SHIPPED SEPARATELY
 - VOLUME = 1920 GALL.
 - WEIGHTS - EMPTY = 4900 LBS.
FULL OF WATER = 21,945 LBS.
 - INSUL. THICKNESS = 1 1/2" (BY OTHERS)
 - USE WELD PROCEDURE # TP-3095-10-12, -19 & -23
 - TWO VESSELS TO BE TESTED
 - HOLD FABRICATION FOR ASME INSPECTION APPROVAL AT:
A. SET-UP
B. COMPLETION OF BACK GOUGING
C. FINAL TEST
 - GASKETS TO BE TFE ENV. W/COMP. ASB FILLER BETWEEN TWO LAYERS BLUE AFRICAN ASB - GARLOCK #8764 W/9026 FILLER OR EQ.
 - INSIDE WELDS TO BE FINISHED PER IAF SAMPLE

CERTIFIED PRINT

BY: *Insurance*

DATE: *6/14/76*

INDUSTRIAL ALLOY FABRICATORS, INC.

REFERENCE

CAT. INC. 30-35421-0801-215

ITEM # V-3509-A

CAT. DWG. # F-408066 REV. 1

4080 35420-0800-01-00-01 FABR. INSUL.

4080 35420-2200-00-00-01 T. 18.9 SUPPS.

40800-102 M/H HINGE

40800-112 GROUNDING LUG

4080126 SADDLE SUPPORT

APPROVED FOR FAB. BY: *7/1/76*

DATE: *7/1/76*

INDUSTRIAL ALLOY FABRICATORS, INC.

RICHMOND, VIRGINIA 23222

7-0H WASH DECANTER

CUST. CATALYTIC, INC. (EMC 5073)

DATE: *2 DEC 75*

D-1416C

