

# GARSITE INC.

## OVERWING FLOW TEST

SERIAL NO: 3-1980

DATE: 5-17-94

TESTED BY: STEVE STANLEY AND TROY WARD

INSPECTED BY: SCOTT BURTON

PUMP BYPASS PRESSURE: 32

PSI

### OVERWING SINGLE HOSE @ FULL FLOW

	LOW THROTTLE	HIGH THROTTLE
DIFFERENTIAL PRESSURE	5.5	N/A
FILTER INLET PRESSURE	25	
FILTER OUTLET PRESSURE	20	
PUMP DISCHARGE PRESSURE	26	
PUMP RPM	528	
ENGINE RPM	600	
GPM	70	

### EMERGENCY SHUTDOWN @ FULL FLOW

DEADMAN:	N/A	SECONDS		GALLON OVERTHOOT @		GPM
EMERGENCY FRONT:	15	SECONDS	16	GALLON OVERTHOOT @	70	GPM
EMERGENCY REAR:	15	SECONDS	15	GALLON OVERTHOOT @	70	GPM
OTHER EMERGENCY:	N/A	SECONDS		GALLON OVERTHOOT @		GPM
WATER SLUG:	19	SECONDS	13	GALLON OVERTHOOT @	70	GPM

### OVERWING DUAL HOSES @ FULL FLOW

	LOW THROTTLE	HIGH THROTTLE
DIFFERENTIAL PRESSURE	8.5	
FILTER INLET PRESSURE	20A	
FILTER OUTLET PRESSURE	12	
PUMP DISCHARGE PRESSURE	21	
PUMP RPM	528	
ENGINE RPM	600	
GPM	100	

### EMERGENCY SHUTDOWN @ FULL FLOW

DEADMAN:	N/A	SECONDS		GALLON OVERTHOOT @		GPM
EMERGENCY FRONT:	11	SECONDS	8	GALLON OVERTHOOT @	100	GPM
EMERGENCY REAR:	12	SECONDS	8	GALLON OVERTHOOT @	100	GPM
OTHER EMERGENCY:	N/A	SECONDS		GALLON OVERTHOOT @		GPM
WATER SLUG:	14	SECONDS	7	GALLON OVERTHOOT @	100	GPM

RELATIVE LEVEL	SEQ NO.	COMPONENT ITEM NO.	DESCRIPTION	ENGINEERING DRAWING NUMBER	QUANTITY PER	ITEM UM	TYP	OPT NO.	FIRST LT	EFFECTIVE DATES
										FROM TO
			DESCRIPTION MDL-5MA-100SS-SC-AFDAS-AF1293							
			ENGR DRAW G/TSR-M							
			STANDARD BATCH QUANTITY		1.000					
..1	0002	10002600	GRP BRAKES, AIR, 4WAY, VERSA	G/TSR-M	1.000	EA	0			5/20/94
..2	0001	1007575	VALVE, KIT, PLT, 4WY, SR, EX, FUEL	G/TSR-M	1.000	EA	9			
..3	0001	1007574	VALVE, PLT, 4WY, .25FP, AL, SR, FUEL	KSP-4312-K30	1.000	EA	4			
..3	0002	1006657	MANIFOLD, VLVE, SUBBASE, EX-PILOT	KM-430-K30	1.000	EA	4			
..1	0003	1007730	GRP, BUMPER, 5M, 10X102, W/LT	G/TSR-M	1.000	EA	0			
..2	0001	1005817	BUMPER, 102X10, MS, W/LT, ST01292	G/TSR-C	1.000	EA	2			
..3	0001	1005076	CHANNEL, 10X, 38X2.74, A36, HR		8.600	FT	3			
..2	0002	1007550	BRKT, BUMPER MTG, RH, 5, MS	G/TSR-B	1.000	EA	2			
..3	0001	1004649	PLATE, .375, A36, HR		1.600	SF	3			
..3	0002	1004686	BAR, .375X4, A36, HR		.600	FT	3			
..3	0003	1004611	ANGLE, 8X4X.5, A36, HR		1.600	FT	3			
..2	0003	1007549	BRKT, BUMPER MTG, LH, 5, MS	G/TSR-B	1.000	EA	2			
..3	0001	1004649	PLATE, .375, A36, HR		1.600	SF	3			
..3	0002	1004686	BAR, .375X4, A36, HR		.600	FT	3			
..3	0003	1004611	ANGLE, 8X4X.5, A36, HR		1.600	FT	3			
..1	0004	1007568	GRP, CHAS, LS000, 50M, 4X2	G/TSR-M	1.000	EA	0			
..2	0001	1007065	CHAS, LS000, 4, 50M, 168, DAA	LS000*	1.000	EA	4			
..1	0006	1007758	GRP, CONT, AIR/AIR, 100GPM, AF1293	G/TSR-D	1.000	EA	0			
..2	0001	1001038	CIRCUIT BREAKER, 50A, MNI	CDLM-50	1.000	EA	4			
..2	0002	1000433	RELAY, SPST, N/O, 85A, 12V	ST 91*	2.000	EA	4			
..2	0003	1001636	BLOCK, FUSE, 4GNG	4624	1.000	EA	4			
..2	0004	1000351	FUSE, 20AWG, 3AG	782-1075	4.000	EA	4			
..2	0005	1001552	BLOCK, TERM, 4GNG	M-426	1.000	EA	4			
..2	0006	1001465	RELAY, DPDT, 10A, 12V, SOCKET MTG	KUP-11015-12	2.000	EA	4			
..2	0007	1001716	BASE, RELAY MTG, 15A, RECT TAB	27E893	2.000	EA	4			
..2	0008	1003402	LIGHT, PANEL, .25FP, R	24-0011	2.000	EA	4			5/28/93
..2	0009	1000354	SWITCH, PRESS, SPDT, 4PSI, 125MP	M-4012	1.000	EA	4			
..2	0010	1000436	SWITCH, KIT, P8, SPST, W/BOX	G/TSR-B	2.000	EA	0			
..3	0001	1000437	BOX, JUNCT, TSR CAST, 3.5X3X2, AL	G/TSR-C	2.000	EA	4			
..3	0002	1000438	COVER, JUNCT BOX, TSR, 3.5X3, AL	G/TSR-A	2.000	EA	4			
..3	0003	1000439	GASKET, JUNCT BOX, 3.5X2.8, CK	G/TSR-A	2.000	EA	4			
..3	0004	1000440	SWITCH, PB, SPST, N/O, MOM, 35A	90030	2.000	EA	4			
..2	0011	1000448	BOX, JUNCT, TYPE T, .75, AL	T75-A	2.000	EA	4			
..2	0012	1000449	COVER, JUNCT BOX, .75, AL	K75-A	2.000	EA	4			
..2	0013	1000450	GASKET, JUNCT BOX, .75	GK75-N	2.000	EA	4			
..2	0014	1004507	BLOCK, TERM, 4GNG, W/BUSBAR	46206-04	1.000	EA	4			
..2	0015	1004214	SWITCH, MAN LVR, SPST, .75, 175A	2484-06	1.000	EA	4			
..2	0016	1004218	PLACARD, MASTER BATT SW, AL	82065	1.000	EA	4			
..2	0017	1002106	BOX, JUNCT, 12X10X5, 14GA, MS	A1210CH	1.000	EA	4			
..2	0018	1001660	PANEL, JUNCT BOX, 12X10, MS	A12P10	1.000	EA	4			
..2	0019	1000752	LUG, STATIC GROUND, B	7647	3.000	EA	4			
..2	0020	1000432	LIGHT, LICENSE, .25FP, CLR, BETTS	240001	1.000	EA	4			5/24/93
..2	0021	1001355	BRKT, MTR, LT, MTG, AL, BETTS	G/TSR-B-71-0018	1.000	EA	2			
..3	0001	1004806	SHEET, 125, 3003, AL	.500	SF	3				
..2	0022	1000758	LIGHT, CABINET, CLR, W/SWITCH	570006	2.000	EA	4			
..2	0023	1000436	BLOCK, TERM, 6GNG	M-427	1.000	EA	4			
..2	0024	1006488	SWITCH, KIT, L/L FLOAT, 1.25MP, B	G/TSR-M	1.000	EA	0			5/20/94
..3	0001	1003735	SWITCH, FLOAT, SPST, 1.25MP, B&BU	M-4502	1.000	EA	4			





RELATIVE LEVEL	SEQ NO.	COMPONENT ITEM NO.	DESCRIPTION	ENGINEERING DRAWING NUMBER	QUANTITY PER	ITEM UM	TYP NO.	OPT	FIRST LT	EFFECTIVE DATES
LEVEL	NO.	ITEM NO.	DESCRIPTION	DRAWING NUMBER	PER	UM	TYP NO.	OP	SEQ	ADJ FROM TO
..2	0008	1000282	VALVE,BALL,.75FP,B	70-104-01*	1.000	EA	4			
..2	0009	1000277	RING,PULL,2X.375,N	3776T1	1.000	EA	4			
..2	0010	1000265	FILTER,LINE,.375FP,AL	2550	1.000	EA	4			
..2	0011	1000257	VALVE,BALL,.375FP,B	70-102-01*	1.000	EA	4			
..2	0012	1003551	GAUGE,2.5STEM,0-100PSI,LIQ,N	1511154	2.000	EA	4			11/09/92
..2	0014	1005778	VALVE,BFLY,2TT,75PSI,AL,W/OOPR	WD200ALB022	1.000	EA	4			
..2	0015	1001597	VALVE,BFLY,2TT,75PSI,AL&BN,DET	WD201 AL B	4.000	EA	4			
..2	0017	1001325	PUMP,PD,200GPM,2.5FLG,CI	TXD2 172A*	1.000	EA	4			
..2	0018	1001321	BRKT,PUMP MTG,CRADLE,17X35,MS	G/TSR-C	1.000	EA	2			
..3	0001	1005327	CHANNEL,8X,22X2.26,A36,HR		3.420	FT	3			
..3	0002	1004554	BAR,.25X8,A36,HR		3.400	FT	3			1/31/94
..2	0020	1000836	VALVE,BFLY,3TT,75PSI,AL&BN,DET	W0301 AL B	1.000	EA	4			
..2	0021	1000836	VALVE,RFL,140PSI,SMPX,5FP,TFL	120AC-3-140	1.000	EA	4			
..2	0023	1000258	VALVE,BALL,.5FP,B	70-103-01*	1.000	EA	4			4/25/94
..2	0024	1000263	AIR ELIMINATOR,.75FP,CI,45PSI	21AR*	1.000	EA	4			
..2	0026	1000937	REEL,HOSE,2VIX1.5FP,RT	EP20-25-26RT*	1.000	EA	4			
..2	0027	1000538	REEL,HOSE,2VIX1.5FP,LT	EP20-25-26LT*	1.000	EA	4			
..2	0028	1004574	BRKT,TANK DR,FLAT,MT,.75FP,MS	G/TSR-B SK-1082	1.000	EA	2			
..3	0001	1004669	BAR,.25X1.75,A36,HR		9.000	FT	3			
..2	0031	1005667	VALVE,CHECK,SR,2X2FLG,AL	VA0006	1.000	EA	4			
..1	0016	1007865	GRP,PLACARD,AF1293	G/TSR-M	1.000	EA	0			
..2	0001	1007818	PLACARD,OPR,INSTR,100GPM,AF93	G/TSR-C	1.000	EA	4			
..1	0018	1005180	GRP,PTO,MT-643,101%,PWR CL,AIR	G/TSR-M	1.000	EA	0			4/07/94
..2	0001	1005181	PTO,MT-643,101%,AIR,PWR CL	PC6S-U6004-A3BP	1.000	EA	4			
..1	0019	1005781	GRP,TANK,MTG,4-5M,SINGLE,SID92	G/TSR-D	1.000	EA	0			
..2	0001	1004562	BRKT,TANK MTG,H TYP,5X4.6,MS	G/TSR-B	8.000	EA	2			
..3	0001	1004682	BAR,.375X1.5,A36,HR		4.000	FT	3			
..3	0002	1005587	ANGLE,5X3X.375,A36,HR		3.680	FT	3			
..2	0002	1004563	BRKT,TANK MTG,H TYP,11X13.5,MS	G/TSR-B	8.000	EA	2			
..3	0001	1004682	BAR,.375X1.5,A36,HR		4.000	FT	3			
..3	0002	1004615	ANGLE,3X3X.375,A36,HR		10.600	FT	3			
..3	0003	1004615	ANGLE,3X3X.375,A36,HR		10.600	FT	3			
..2	0004	1005587	ANGLE,5X3X.375,A36,HR		4.000	FT	3			
..2	0003	1004708	SPRING,CPRSN,3X.72ID	106926	4.000	EA	4			
..2	0004	1004586	BAR,BOARD TIE,3X.75X.125,MS	G/TSR-A	4.000	EA	2			
..3	0001	1004674	BAR,.125X.75,A36,HR		4.000	FT	3			
..1	0020	1007737	GRP,ACCESS,TANK,5M,LS8000,1293	G/TSR-M	1.000	EA	0			
..2	0001	1002256	BRKT,STEP MTG,2X2X.25,MS	G/TSR-A	2.000	EA	2			
..3	0001	1004627	ANGLE,2X2X.25,A36,HR		.400	FT	3			
..2	0002	1002639	STEP,BUMPER,SWING,16X7,MS	G/TSR-B	1.000	EA	2			
..3	0001	1004701	BAR,.25X2,A36,HR		1.500	FT	3			
..3	0002	1004959	STEP,LADDER,13GA,HR,3HOLE	G/TSR-C	1.500	FT	3			
..2	0003	1007736	LADDER,TANK,5M,69,AL		1.000	EA	2			
..3	0001	1004794	PIPE,1,SCH.40,6063-T6,AL		16.250	FT	3			
..3	0002	1004779	BAR,.25X2,6061-T6,AL		4.400	FT	3			
..3	0003	1004957	STEP,LADDER,11GA,AL,3HOLE		10.400	FT	3			
..3	0004	1004794	PIPE,1,SCH.40,6063-T6,AL		2.200	FT	3			
..2	0004	1002991	STEP,TREAD PLATE,5M,MS	G/TSR-B	1.000	EA	2			



***GARSITE INC.***

**FUNCTIONAL TEST DATA**

SERIAL NO: 3-1980

TEMPERATURE: 75°

ROAD CONDITION: DRY

TIME STARTED: 11:00 AM

TIME FINISHED: 3:30 PM

TESTED BY: T. WARD AND S. STANLEY

INSPECTED BY: SCOTT BURTON

DATE: 05-17-94

## SERIAL COMPONENT SHEET

MODEL NUMBER: 5M-100-SC		SERIAL NUMBER: 3-1980	
COMPONENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER
CHASSIS	FORD	L-8000	1FDYS82EXPVA35562
TANK	NEW PROGRESS	RA72 5000	S/N B-38546
PUMP	BLACKMER	TXD2.5A	407465-U
PTO	MUNCIE	PC6S-V6004-A3BP	N/A
BYPASS CONTROL	N/A		
HOSE END REGULATOR 1	N/A		
HOSE END REGULATOR 2	N/A		
FILTER	VELCON	HV1416M150	80164
METER 1	LIQUID CONTROL	M7-41800-2	249728
METER REGISTER 1	LIQUID CONTROL	788700039	9403560973
METER 2	LIQUID CONTROL	M7-41800-2	244373
METER REGISTER 2	LIQUID CONTROL	788700039	9301543290
REEL, UNDERWING	N/A		
REEL, GROUND 1	HANNAY REELS	EP20-25-26LT	877945
REEL, OVERWING 2	HANNAY REELS	EP20-25-26RT	877943
REEL, HYDRANT	N/A		
REEL, DEADMAN	N/A		
REEL, STATIC 1	AMETEK		190436
REEL, STATIC 2	AMETEK		190410
REEL, SENSE	N/A		
HOSE, UNDERWING	N/A		
HOSE, OVERWING 1	HEWITT HOSE	1.5 X 50	HH6096
HOSE, OVERWING 2	HEWITT HOSE	1.5 X 50	HH6095
HOSE, HYDRANT	N/A		
HOSE, DECK 1	N/A		
HOSE, DECK 2	N/A		
HOSE, JACK RISER 1	N/A		
HOSE, JACK RISER 2	N/A		
NOZZLE, UNDERWING	N/A		
NOZZLE, OVERWING 1	N/A		
NOZZLE, OVERWING 2	N/A		
SURGE SUPPRESSOR 1	N/A		
SURGE SUPPRESSOR 2	N/A		
RELAXATION CHAMBER	N/A		
PRIST INJECTOR	HAMMONDS	600-15	2794



# FUNCTIONAL TEST DATA

CHECKED BY	DESCRIPTION	READINGS	
FIZER	HOURLMETER BEFORE TEST	8.2	
FIZER	ODOMETER BEFORE TEST	182.4	
CHECK ALL FLUID LEVELS			
CHECKED BY	DESCRIPTION	CHECKED BY	DESCRIPTION
FIZER	ENGINE OIL	FIZER	STEERING FLUID
FIZER	ENGINE COOLANT	N/A	HYDRAULIC FLUID
FIZER	TRANSMISSION/COOLANT	FIZER	WINDSHIELD WASHER FLUID
FIZER	AXLE AND PLANETARY LUBE	FIZER	REAR AXLE
N/A	TRANSFER CASE	FIZER	TIRE PRESSURE
N/A	BRAKE FLUID		
CHECK THE FOLLOWING FOR PROPER OPERATION			
CHECKED BY	DESCRIPTION	CHECKED BY	DESCRIPTION
FIZER	HOURLMETER	N/A	BACKUP ALARM
FIZER	TACHOMETER	FIZER	SPOTLIGHTS
FIZER	OIL PRESSURE GAUGE	FIZER	DASH LIGHTS
FIZER	COOLANT TEMP. GAUGE	FIZER	HEADLIGHTS HIGH/LOW
FIZER	VOLTMETER\AMMETER	FIZER	PARKING LIGHTS
FIZER	AIR PRESSURE GAUGE	FIZER	CABINET LIGHTS
FIZER	FUEL/GAS GAUGE	FIZER	METER LIGHTS
FIZER	DOME LIGHT	FIZER	LICENSE PLATE LIGHT
N/A	RADIO	FIZER	CLEARANCE LIGHTS
N/A	AIR CONDITIONER	FIZER	BACKUP LIGHTS
N/A	AUDIBLE TURN SIGNAL	FIZER	TURN SIGNALS
FIZER	PTO INDICATOR LIGHT	N/A	BATTERY HEATER
FIZER	HIGH BEAM INDICATOR	N/A	TRAILER CONNECTIONS
N/A	12 VOLT AUX. POWER	FIZER	BEACON
FIZER	HORN	FIZER	SIDE MARKERS
FIZER	DEFROSTER	FIZER	HEATER FAN LOW/MED/HIGH
FIZER	WINDSHIELD WIPERS	FIZER	MASTER BATTERY SWITCH
FIZER	WINDSHIELD WASHERS	FIZER	LOW AIR WARNING LIGHT
FIZER	BRAKE LIGHTS	FIZER	LOW AIR WARNING BUZZER
FIZER	TURN SIGNAL INDICATOR	FIZER	LIFT DECK ALARM

**CHECK ENGINE COMPARTMENT AS FOLLOWS:**

CHECKED BY	OPERATION
FIZER	PULLEYS FOR ALIGNMENT
FIZER	BELTS FOR TENSION AND WEAR
FIZER	THROTTLE LINKAGES FOR PROPER OPERATION
FIZER	CHECK INSTALLATION OF MUFFLER SHIELD
N/A	INSPECT ETHER INJECTOR
FIZER	CHECK TERMINAL BLOCK CONNECTIONS & RUBBER FLAP
FIZER	CHECK EXHAUST FOR SOUNDNESS AND CLEARANCE
FIZER	INSPECT ALL HOSES AND FITTINGS & CHECK FOR LEAKS
N/A	INSPECT INSTALLATION OF BLOCK HEATER
FIZER	CHECK ALL BATTERY CONNECTIONS & INSULATORS

**TANK AND SYSTEMS CHECK**

CHECKED BY	OPERATION	CHECKED BY	OPERATION
FIZER	TANK MOUNTING	FIZER	VENT
N/A	MODULE/SUBFRAME MOUNTING	N/A	DEADMAN CONTROL
N/A	LIFTMAST/DECK	N/A	THROTTLE CONTROL
FIZER	PIPING	FIZER	FUEL/DEFUEL VALVE
TW	PTO AND PUMP	FIZER	REELS
TW	BOTTOMLOAD AND PRECHECK	FIZER	EMERGENCY SHUTOFF VALVES
FIZER	INTERNAL VALVE OPERATION	FIZER	BRAKE OVERRIDE
FIZER	HOSES AND NOZZLES	TW	WATER DETECTOR
FIZER	LOW LEVEL SHUTOFF	TW	WATER DETECTOR LIGHT
FIZER	BRAKE INTERLOCKS	TW	HIGH LEVEL SHUTOFF

# GARSITE INC.

## INTERLOCK/BRAKE TEST PROCEDURE

CHECKED BY	PROCEDURE
SS/TW	SET BRAKE
SS/TW	ASSURE ALL INTERLOCKS ARE IN ROAD POSITION
	DO EACH OF THE FOLLOWING TESTS INDIVIDUALLY AND ASSURE BRAKES SET AND BRAKE KNOB ON DASH POPS BACK OUT
SS/TW	PULL #1 OVERWING NOZZLE OUT AND CHECK
SS/TW	STOW #1 OVERWING NOZZLE
SS/TW	PULL #2 OVERWING NOZZLE OUT AND CHECK
SS/TW	STOW #2 OVERWING NOZZLE
N/A	PULL #1 UNDERWING NOZZLE OUT AND CHECK
N/A	STOW #1 UNDERWING NOZZLE
N/A	PULL #2 UNDERWING NOZZLE OUT AND CHECK
N/A	STOW #2 UNDERWING NOZZLE
N/A	PULL #1 DECK NOZZLE OUT AND CHECK
N/A	STOW #1 DECK NOZZLE
N/A	PULL #2 DECK NOZZLE OUT AND CHECK
N/A	STOW #2 DECK NOZZLE
SS/TW	OPEN BOTTOM LOAD GATE AND CHECK
SS/TW	CLOSE BOTTOM LOAD GATE
N/A	RAISE LIFT DECK AND CHECK
N/A	LOWER LIFT DECK
SS/TW	OPEN INTERNAL VALVE AND CHECK
SS/TW	CLOSE INTERNAL VALVE
SS/TW	ENGAGE PTO (WITH FUEL IN PIPING) AND CHECK
SS/TW	DISENGAGE PTO
SS/TW	PUT BRAKE OVERRIDE IN OVERRIDE POSITION AND ASSURE BRAKES RELEASE
SS/TW	PUT BRAKE OVERRIDE BACK IN NORMAL POSITION

# GARSITE INC.

## DIMENSION AND WEIGHT

CHECKED BY	ITEM MEASURED	READING
SB	TOTAL LENGTH OF UNIT	30' 3.25"
SB	TOTAL WIDTH OF UNIT	9' 2"
SB	TOTAL HEIGHT OF UNIT	10' 2.5"
SB	CAB HEIGHT	9' 2"
SB	TANK HEIGHT	9' 7"
SB	FRAME HEIGHT (BEHIND CAB)	3' 7.5"
SB	COMPONENT GROUND CLEARANCE	(MINIMUM 12") OK
N/A	MUDFLAP CLEARANCE	(MINIMUM 8") N/A
SB	UNIT WEIGHT (CHASSIS ONLY)	14620
SB	UNIT WEIGHT EMPTY	20420
SB	UNIT WEIGHT LOADED TO CAPACITY	54060
N/A	INTERIOR SOUND LEVEL	N/A
N/A	EXTERIOR SOUND LEVEL	N/A
N/A	EXHAUST GAS TEST	N/A

# GARSITE INC.

## FLOW SETUP

QC CHECK	OPERATION PERFORMED
SS/TW	Build Unit Air to Capacity
SS/TW	Set Parking Brakes
SS/TW	Chock Wheels
SS/TW	Make Static Ground Connection
SS/TW	IF AIR UNIT: Verify Vent Has Opened
N/A	IF MECHANICAL UNIT: Open Internal Valve Manually and Verify Vent Opens
SS/TW	Verify Valve at Each Reel is Closed
N/A	Connect Underwing Nozzle to Drop Tube and Place in Manhole
SS/TW	Zip-Tie Overwing Nozzles Open and Drop Them in Manhole
N/A	Adjust Air Reference Regulators to Maximum Settings

STEVE STANLEY AND TROY WARD

# GARSITE INC.

## BOTTOM LOAD TEST PROCEDURE

QC CHECK	PROCEDURE
SS/TW	Set brakes
SS/TW	Build unit air to full capacity
SS/TW	Shut off engine
SS/TW	Make static ground connections
SS/TW	Chock wheels
SS/TW	Open bottom load gate
SS/TW	Connect hydrant hose to bottom load adaptor
SS/TW	Look down into manhole and assure vortex breaker has been installed
SS/TW	Open valve on test stand nozzle to bottom load adaptor
SS/TW	Open valve on bottom load pipe
SS/TW	Open precheck valve
SS/TW	Adjust pressure regulator on test stand control panel all the way to show minimum pressure at start-up
SS/TW	Start up test stand
SS/TW	Slowly adjust knob on test stand regulator and <b>RECORD THE PRESSURE REQUIRED TO OPEN THE INTERNAL VALVE</b>
SS/TW	Adjust regulator to acquire specified bottom loading rate requirement and <b>RECORD GPM AND BOTTOM LOAD PRESSURE</b>
SS/TW	Close precheck and visually verify internal valve has closed and test stand meter has stopped. <b>RECORD SHUTDOWN TIME AND GALLONS</b>
SS/TW	Open precheck and verify that tank is filling
SS/TW	Load enough fuel to flow test unit
SS/TW	Check for leaks of tank, piping, fittings, etc.

STEVE STANLEY AND TROY WARD

# *GARSITE INC.*

## **BOTTOM LOAD TEST**

SERIAL NO:3-1980

DATE:05-17-94

TESTED BY: STEVE STANLEY AND TROY WARD

INSPECTED BY: SCOTT BURTON

INTERNAL VALVE OPENING PRESSURE: 6 PSI

BOTTOM LOADING PRESSURE: 8 PSI

BOTTOM LOADING RATE: 250 GPM

PRECHECK PRESSURE CLOSED: 54 PSI

PRECHECK SHUTDOWN TIME: 3 SECONDS

PRECHECK SHUTDOWN OVERSHOOT: 8 GALLONS

# GARSITE INC.

## FUEL CONTROLLER TEST

SERIAL NO:3-1980

DATE:05-17-94

TESTED BY:T.WARD & S. STANLEY

INSPECTED BY:SCOTT BURTON

AIR REFERENCE PRIMARY: N/A PSI

AIR REFERENCE SECONDARY: N/A PSI

FUELING PRESSURE PRIMARY: N/A PSI

FUELING PRESSURE SECONDARY: 32 PSI

AIR REFERENCE THIRD CONTROLLER: N/A PSI

PRIMARY CONTROLLER: NOZZLE

SECONDARY CONTROLLER:HOSE END CONTROLLER BY PASS ON PUMP

THIRD CONTROLLER:BY PASS N/A

PRIMARY CONTROLLER VERIFIED AT: N/A PSI

SECONDARY CONTROLLER VERIFIED AT: 32 PSI

THIRD CONTROLLER VERIFIED AT: N/A PSI



# GARSITE INC.

## DEFUEL TEST

SERIAL NO:3-1980

DATE:5-17-94

TESTED BY:STEVE STANLEY AND TROY WARD

INSPECTED BY:SCOTT BURTON

UNDERWING DEFUEL RATE SINGLE HOSE:	N/A	GPM
UNDERWING DEFUEL RATE DUAL HOSES:	N/A	GPM
OVERWING DEFUEL RATE SINGLE HOSE:	27	GPM
OVERWING DEFUEL RATE DUAL HOSES:	36	GPM
DECK DEFUEL RATE SINGLE HOSE:	N/A	GPM
DECK DEFUEL RATE DUAL HOSES:	N/A	GPM
CCR DEFUEL RATE SINGLE HOSE:	N/A	GPM
CCR DEFUEL RATE DUAL HOSES:	528	GPM
ENGINE RPM:	600	RPM

# GARSITE INC.

## MISCELLANEOUS TESTS

SERIAL NO:3-1980

DATE:5-17-94

TESTED BY:STEVE STANLEY AND TROY WARD

INSPECTED BY:SCOTT BURTON

TOTAL USEABLE FUEL (BOTTOM OF TANK TO CAPACITY INDICATOR):  
4969 GALLONS

FREE AIR SPACE (CAPACITY INDICATOR TO TOP OF TANK): 5 INCHES

PRIST ADDITIVE: 13 OUNCES PER 100 GALLONS

LOW LEVEL SHUTDOWN VERIFICATION:

STOPS FLOW X KILLS ENGINE N/A

TICKET PRINTER: N/A GALLONS FLOWED N/A GALLONS PRINTED

INTERNAL VALVE OPENING TIME (FROM THE TIME THE METER STARTS  
TURNING TILL FULL FLOW): HIGH THROTTLE N/A SECONDS  
LOW THROTTLE 4 SECONDS

TOTAL WATER NEEDED TO ACTIVATE WATER DETECTION:  
.5 GALLON 0 OUNCES