



**United States of America  
Department of Homeland Security  
United States Coast Guard**

Certification Date: 09 Jan 2020  
Expiration Date: 09 Jan 2021

# Temporary Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT.

This Temporary Certificate of Inspection is issued under the provision of Title 46 United States Code, Section 399, in lieu of the regular certificate of inspection, and shall be in force only until the receipt on board said vessel of the original certificate of inspection, this certificate in no case to be valid after one year from the date of inspection.

Vessel Name	Official Number	IMO Number	Call Sign	Service
KIRBY 10561	1088425			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
WILMINGTON, DE	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN	17Dec1999	10Oct1999	R-716	R-716		R-195.0
			-	-		1-0

Owner	Operator
KIRBY INLAND MARINE LP 55 WAUGH DR STE 1000 HOUSTON, TX 77007 UNITED STATES	KIRBY INLAND MARINE, LP 18350 Market St. Channelview, TX 77530 UNITED STATES

This vessel must be manned with the following licensed and unlicensed Personnel. Included in which there must be 0 Certified Lifeboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDSS Operators.

0 Masters	0 Licensed Mates	0 Chief Engineers	0 Oilers
0 Chief Mates	0 First Class Pilots	0 First Assistant Engineers	
0 Second Mates	0 Radio Officers	0 Second Assistant Engineers	
0 Third Mates	0 Able Seamen	0 Third Assistant Engineers	
0 Master First Class Pilot	0 Ordinary Seamen	0 Licensed Engineers	
0 Mate First Class Pilots	0 Deckhands	0 Qualified Member Engineer	

In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Total Persons allowed: 0

**Route Permitted And Conditions Of Operation:**  
**---Lakes, Bays, and Sounds---**

This vessel has been granted a fresh water service examination interval in accordance with 46 CFR 31.10-21(a) (2). If this vessel is operated in salt water more than 6 months in any 12 month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a) (1) and the cognizant OCMI notified in writing as soon as this change in status occurs.

This tank barge is participating in the Eighth & Ninth Coast Guard District's Tank Barge Streamlined Inspection Program (TBSIP). Inspection activities aboard this barge shall be conducted in accordance with its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to OCMI Houston-Galveston, TX.

\*\*\*SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION\*\*\*

With this Inspection for Certification having been completed at Freeport, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Houston-Galveston certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

Annual/Periodic/Re-Inspection				This certificate issued by: <b>E. M. CARRERO CDR, USCG, BY DIRECTION</b> <hr/> Officer in Charge, Marine Inspection <hr/> Houston-Galveston <hr/> Inspection Zone
Date	Zone	A/P/R	Signature	



# Temporary Certificate of Inspection

Vessel Name: KIRBY 10561

### ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Dec2024	23Dec2014	10Nov2004
Internal Structure	31Dec2024	30Dec2019	23Dec2014

### --- Liquid/Gas/Solid Cargo Authority/Conditions ---

Authorization: GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
10667	Barrels	A	Yes	No	No

#### \*Hazardous Bulk Solids Authority\*

Not Authorized

#### \*Loading Constraints - Structural\*

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1C	595	13.600
2C	607	13.600
3C	607	13.600

#### \*Loading Constraints - Stability\*

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	1495	9ft 3in	13.60	R
III	1723	10ft 4in	13.60	R
II	1495	9ft 3in	13.60	LBS, R
III	1723	10ft 4in	13.60	LBS, R

#### \*Conditions Of Carriage\*

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN99017352, dated 17DEC99, and Grade "A" and lower cargoes may be carried.

#### \* Vapor Control Authorization\*

In accordance with 46 CFR Part 39, excluding part 39.4000, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letters serial # C2-9801873 dated 29May98 and C2-0100997 dated 28Mar01 and found acceptable for collection of the Subchapter "D" cargoes in those letters and those specified hazardous cargoes annotated with a "V" or "T" in the referenced CAA.

The letter "V" in the note column signifies approved for vapor control with no additional requirements.

The letter "T" in the note column signifies it is a highly toxic cargo and signifies that spill valves or rupture disks are not authorized as a primary means of tank overfill protection required by 46 CFR 39.2009.

#### \*Stability and Trim\*

Cargo tanks must be loaded uniformly whenever a 46 CFR Subchapter "O" cargo is carried, for trim purposes, the weight of cargo in each tank may exceed the uniformly loaded tank cargo weight by at most 5 percent.



# Temporary Certificate of Inspection

Vessel Name: KIRBY 10561

**--- Inspection Status ---**

**\*Cargo Tanks\***

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1C	10Nov2004	23Dec2014	23Dec2024	-	-	-
2C	10Nov2004	23Dec2014	23Dec2024	-	-	-
3C	10Nov2004	23Dec2014	23Dec2024	-	-	-

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1C	-	-	-	-
2C	-	-	-	-
3C	-	-	-	-

**---Conditional Portable Fire Extinguisher Requirements---**

Required Only During Transfer of Cargo or Operation of Barge Machinery

**--- Fire Fighting Equipment ---**

Number of Fireman Outfits - 0

**\*Fire Extinguishers - Hand portable and semi-portable\***

Quantity	Class Type
2	B-II

\*\*\*END\*\*\*



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: Kirby 10861  
Official #: D1088425

Page 1 of 2

Shipyard: JEFFBOAT LLC  
Hull #: \_\_\_\_\_

### List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 48 CFR 151 General and Matters of Construction
		Group	Exo				
<b>Authorized Subchapter O Cargoes</b>							
Acrylonitrile	ACN	15	Y	C	(I)	T	.50-70(e), .55-1(e)
Adiponitrile	ADN	37	N	E	(I)	V	No
Anthracene oil (Coal tar fraction)	AHO	33	N		(I)		No
Alkyl (C7-C9) nitrates	AKN	34	Y		(III)		.50-61, .50-66
Acetonitrile	ATN	37	N	C	(III)	T	No
Butyraldehyde (all isomers)	BAE	19	N	C	(III)	V	.55-1(f)
Butyl acrylate (all isomers)	BAR	14	N	D	(III)	V	.50-70(a), .50-81(a), (b)
Benzene hydrocarbon mixtures (containing Acetylenes)(having 10% Benzene or more)	BHA	32	Y		(III)	V	.50-60, .58-1(D), (d), (f), (g)
Benzene hydrocarbon mixtures (having 10% Benzene or more)	BHB	32	N		(III)	V	.50-60
Butyl methacrylate	BMH	14	N	D	(III)	V	.50-70(a), .50-81(a), (b)
Benzene	BNZ	32	N	C	(III)	V	.50-60
Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)	BTX	32	N	B/C	(III)	V	.50-60
Carbon tetrachloride	CBT	36	N		(III)		No
Cyclohexanone	CCH	18	N	D	(III)	V	.55-1(e), (f)
Creosote (all isomers)	CCW	21	Y	E	(III)	V	No
Crude hydrocarbon feedstock (containing Butyraldehyde and Ethylpropyl acrolein)	CHG	0	N	C	(III)		No
Camphor oil (light)	CPO	18	N	D	(I)		No
Chlorobenzene	CRB	36	N	D	(III)	V	No
Chloroform	CRF	36	N	E	(III)		No
Cresols (all isomers)	CRS	21	N	E	(III)	V	No
Cresylic acid tar	CRX	21	N		(III)	V	.55-1(f)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	N	D	(III)	V	.50-60, .58-1(D)
Crotonaldehyde	CTA	19	Y	C	(I)	T	.55-1(f)
N,N-Dimethylacetamide	DAC	10	N	E	(III)	T	.55-1(D)
Dichlorobenzenes (all isomers)	DBX	36	N	E	(III)	T	.58-1(a), (b)
1,1-Dichloroethane	DCH	36	N	C	(III)	V	No
Dichloromethane	DCM	36	N	NF	(III)		No
2,2-Dichloroethyl ether	DEE	41	N	D	(I)	V	.55-1(f)
Dimethylformamide	DMF	10	N	D	(III)	V	.55-1(e)
Dichloropropene, Dichloropropane mixtures	DMX	15	N		(II)	V	No
Dodecyl dimethylamine, Tetradecyl dimethylamine mixture	DOT	7	N	E	(III)		.58-1(b)
1,1-Dichloropropane	DPB	36	N	C	(III)	T	No
1,3-Dichloropropane	DPC	36	N	C	(III)	T	No
1,2-Dichloropropane	DPP	36	N	C	(III)	T	No
1,3-Dichloropropane	DPU	15	N	D	(II)	T	No
Ethyl acrylate	EAC	14	N	C	(III)	V	.50-70(a), .50-81(a), (b)
2-Ethylhexyl acrylate	EAI	14	N	E	(III)	V	.50-70(a), .50-81(a), (b)
Ethylene dichloride	EDC	36	Y	C	(III)	V	No
Ethylene glycol monoalkyl ethers	EGC	40	N	D/E	(III)	V	No
Ethylene glycol hexyl ether	EGH	40	N	E	(III)		No
Ethylene glycol propyl ether	EGP	40	N	E	(III)	V	No
2-Ethyl-3-propylacrolein	EPA	19	Y	E	(III)	V	No
Ethylene cyanohydrin	ETC	20	N	E	(III)	V	No
Ethyl methacrylate	ETM	14	N	C	(III)	V	.50-70(a)
Furfural	FFA	19	N	E	(III)	V	.55-1(h)
Formaldehyde solution (37% to 50%)	FMS	19	Y	D/E	(III)	V	.55-1(h)
Glutaraldehyde solution (50% or less)	GTA	19	N	NF	(III)		No
Hydrocarbon 5-9	HPN	30	N	A	(III)	V	.50-70(a), .50-81(a), (b)

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Department of Homeland Security  
United States Coast Guard

Serial #: VN99017352  
COI Ref. 17-Dec-99

# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: **Kirby 10561**  
Official #: **D1088425**

Page 2 of 2

Shipyard: **JEFFBOAT LL**  
Hull #: \_\_\_\_\_

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 48 CFR 151 General and Mat's of Construction
		Group No	Exc				
Isoprene	IPR	30	N	A	III		.50-70(a), .50-81(a), (b)
Methyl acrylate	MAM	14	N	C	III	V	.50-70(a), .50-81(a), (b)
Methylocyclopentadiene dimer	MCK	30	N	C	III	V	No
2-Methyl-5-ethylpyridine	MEP	9	N	E	III	V	.55-1(a)
Methyl methacrylate	MMM	14	N	C	III	V	.50-70(a), .50-81(a), (b)
Mesityl oxide	MSO	18	Y	D	III	V	No
alpha-Methylstyrene	MSR	30	N	D	III	V	.50-70(a), .50-81(a), (b)
Coal tar naphtha solvent	NCT	33	N	D	III	V	.50-73
1- or 2-Nitropropane	NPM	42	N	D	III	V	.50-81
1,3-Pentadiene	PDE	30	N	A	III	V	.50-70(a), .50-81
Polyethylene polyamines	PEB	7	Y	E	III	V	.55-1(a)
Perchloroethylene	PER	38	N	NF	III		No
Pyridine	PRD	9	N	C	III	V	.55-1(a)
Sodium chlorate solution (50% or less)	SDD	0	Y	NF	III		.50-73
Sodium hypochlorite solution (20% or less)	SHQ	5	N	NF	III		.50-73, .58-1(a), (b)
Styrene tar	STT	33	N	E			
Styrene (crude)	STX	30	N	C	III	V	No
Styrene monomer	STY	30	N	D	III	V	.50-70(a), .50-81(a), (b)
1,2,4-Trichlorobenzene	TCB	38	N	E	III	V	No
Trichloroethylene	TCL	38	Y		III	V	No
1,1,2-Trichloroethane	TCM	38	N		III	V	.50-73, .58-1(a)
1,2,3-Trichloropropane	TCN	38	N	E	II	T	.50-73, .58-1(a)
1,1,2,2-Tetrachloroethane	TEC	38	N	NF	III		No
Triethylamine	TEN	7	N	C	II	T	.55-1(a)
Tetrahydrofuran	THF	41	N	C	III	V	.50-70(b)
Urea, Ammonium nitrate solution (containing more than 2% Ammonia)	UAS	8	N		III		.58-1(b)
Vinyl acetate	VAM	13	N	C	III	V	.50-70(a), .50-81(a), (b)

**Explanation of terms & symbols used in the Table:**

<b>Cargo Identification</b>	
Name	The proper shipping name as listed in 48 CFR Table 151.05.
Chem Code	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.
Compatibility Group No.	The cargo reactive group number assigned for compatibility determinations in 48 CFR Part 150 Tables I and II. In accordance with 48 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 48 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 48 CFR 150 in conjunction with the assigned reactive group number.
Exceptions (Exc)	Indication of whether or not there are exceptions to the compatibility chart for the given cargo. See Appendix I to 48 CFR Part 150.
Grade	The cargo classification assigned to each flammable or combustible liquid. Grades inside of "( )" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
A, B, C	Flammable liquid cargoes, as defined in 48 CFR 30-10.22.
D, E	Combustible liquid cargoes, as defined in 48 CFR 30-10.16.
NA, NF	Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
#	No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available.
Hull Type	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 48 CFR 151.10-1.
I	Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 48 CFR 151.10-1(b)(1).
II	Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 48 CFR 151.10-1(b)(3).
III	Designed to carry products of sufficient hazard to require a moderate degree of control. See 48 CFR 151.10-1(b)(4).
<b>Conditions of Carriage</b>	
Note	See Certificate of Inspection for explanation of symbols used in this column.

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# Law Valve of Texas

16917 Market St, Channelview, TX 77530  
(713)453-0413

LVT Sales Order LV-4354-SO  
Barge Name K 10561

## Shop Order & Test Report

Customer: Kirby Inland Marine Order # RDJ 670348

Make Pres Vac Size 3" Model # HS 4

Serial # 2293-14576 Inlet 3" 125 Outlet NA

Constrution: P/V Cap: N/A

Set Pressure: 1.5 psi pressure / 0.5 psi vacuum

Tag: Orifice: N/A

Work Required: Complete Overhaul Test Air

Condition Received: Need Repair

### General Condition Pre-repair

Inlet	Dirty	Spring	Good Cond.
Seats	Dirty	Work	ST
Guide	Dirty	Repairs	Lapped Seats Installed gaskets
Outlet	Dirty		

Parts replaced and other work:

## Final Test Report

Date 12/17/2019  
Set Pressure 1.5 psi pressure / 0.5 psi vacuum

Nozzle Ring Setting N/A

Back Pressure N/A

Tested By: *Eduardo A. Cruz*

Witness/Assy By: *Raymond Vallada*

U.S. Coast Guard Witness

# Law Valve of Texas

16917 Market St, Channelview, TX 77530  
(713)453-0413

LVT Sales Order LV-4354-SO

Barge Name K 10561

Work Order

## Shop Order & Test Report

Customer: Kirby Inland Marine Order # RDJ 670348

Make Kunkle Size 4" x 4" Model # 91K-M02

Serial # 4354-1 Inlet 4"250 Outlet 4"125

Constrution: Conventional RV Cap: Plain

Set Pressure: 125 psi pressure

Tag: Orifice: M

Work Required: Complete Overhaul Test Air

Condition Received: Good

### General Condition Pre-repair

Inlet Dirty  
Seats Dirty  
Guide Dirty  
Outlet Dirty

Spring Good Cond. Installed Gaskets  
Work ST  
Repairs \_\_\_\_\_

Parts replaced and other work:

## Final Test Report

Date 12/17/2019

Set Pressure 125 psi pressure

Nozzle Ring Setting N/A

Back Pressure 30 PSI

Tested By: Edmundo A Perez

Witnessed/Assy: Michael Cain

U.S. Coast Guard Witness

# Sight Glass Pressure Test

12/06/19 14:02

Serial Number

Test Time:

2 Minutes

Beginning PSI:

10.2 PSI

Ending PSI:

10.2 PSI

**0.3**

% Lost

**TEST RESULT**

Test  
Conclusion:

**PASS**

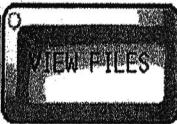
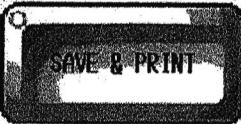
Test Completed By:

AG

1995



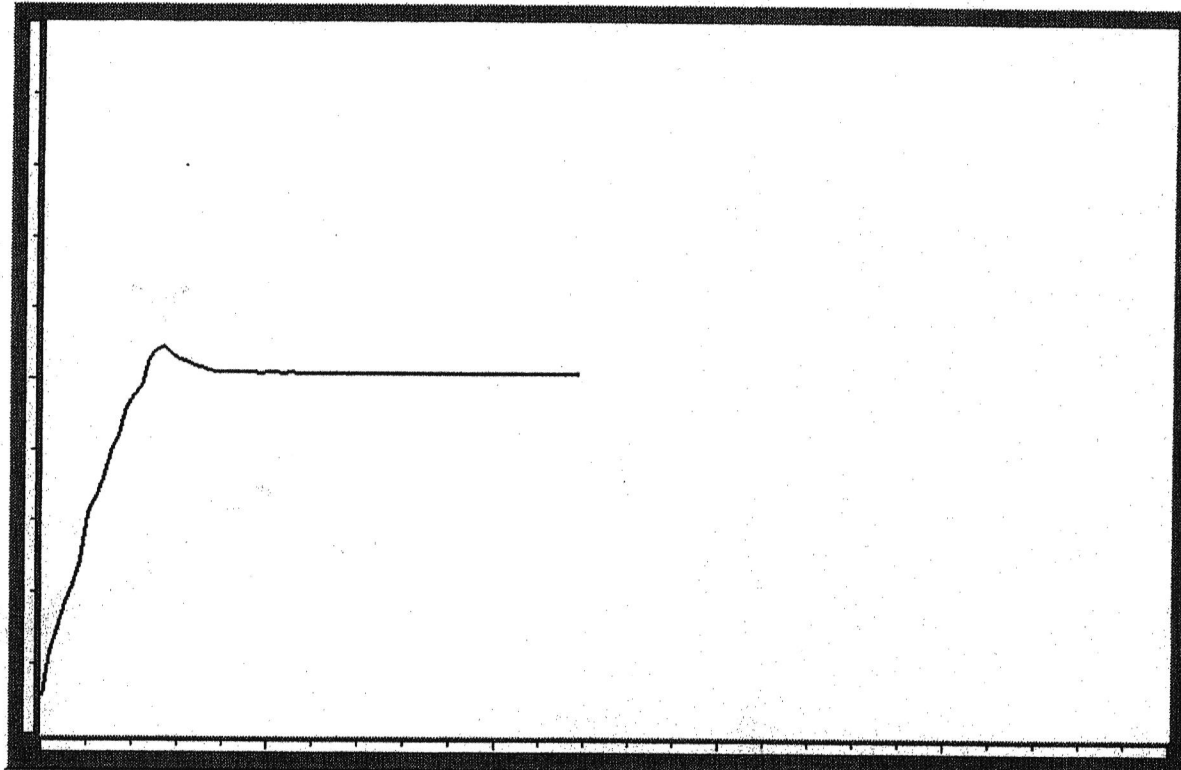
**ERL COMMERCIAL  
MARINE INC.**



20 PSI

10 PSI

0 PSI



13:47

13:50



# Sight Glass Pressure Test

11/21/19 07:25

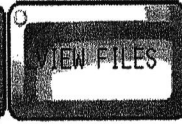
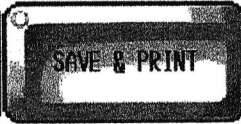


**ERL COMMERCIAL  
MARINE INC.**

Serial Number

Test Time:

2 Minutes



1919

Beginning PSI:

10.2 PSI

Ending PSI:

10.2 PSI

**0.3**

% Lost

**TEST RESULT**

Test  
Conclusion:

**PASS**

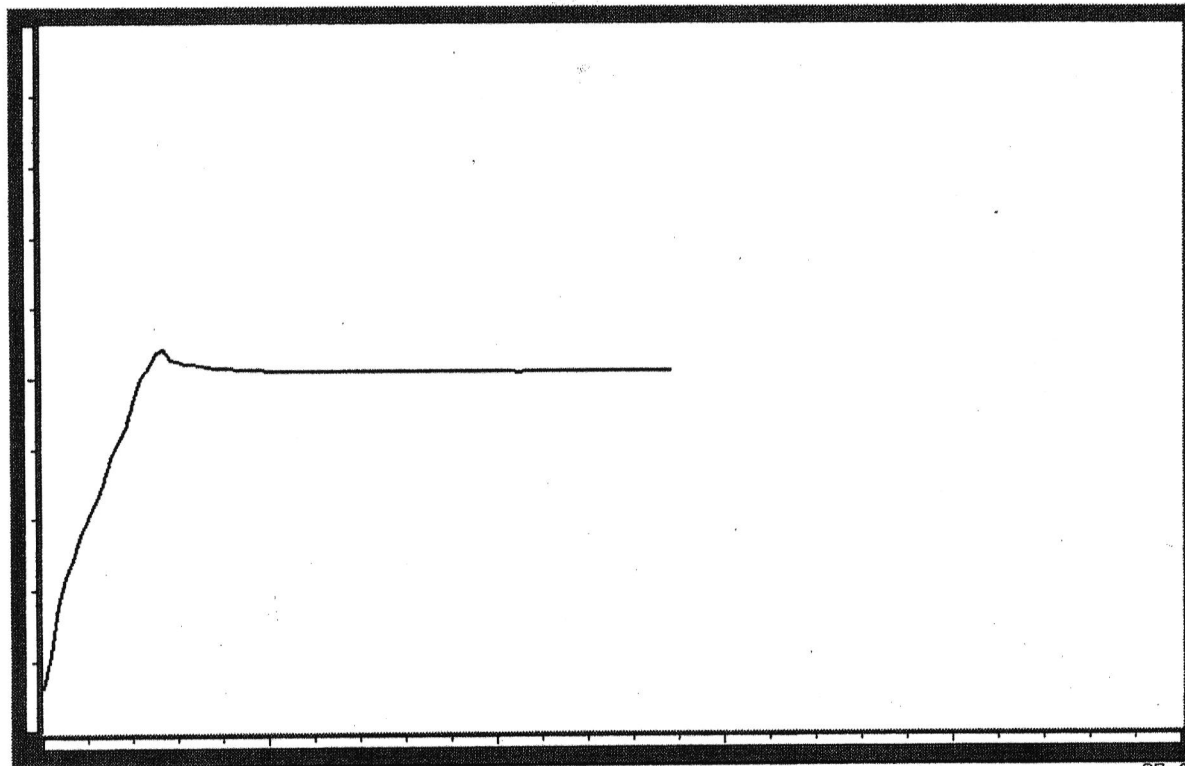
Test Completed By:

AG

20 PSI

10 PSI

0 PSI



07:21

07:24

# Sight Glass Pressure Test

12/06/19 13:35

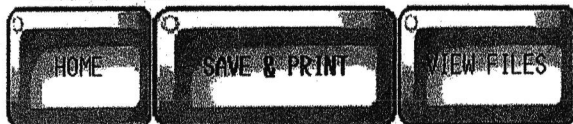


**ERL COMMERCIAL  
MARINE INC.**

Serial Number

Test Time:

2 Minutes



1994

Beginning PSI:

10.2 PSI

Ending PSI:

10.1 PSI

**0.5**

% Lost

**TEST RESULT**

Test  
Conclusion:

**PASS**

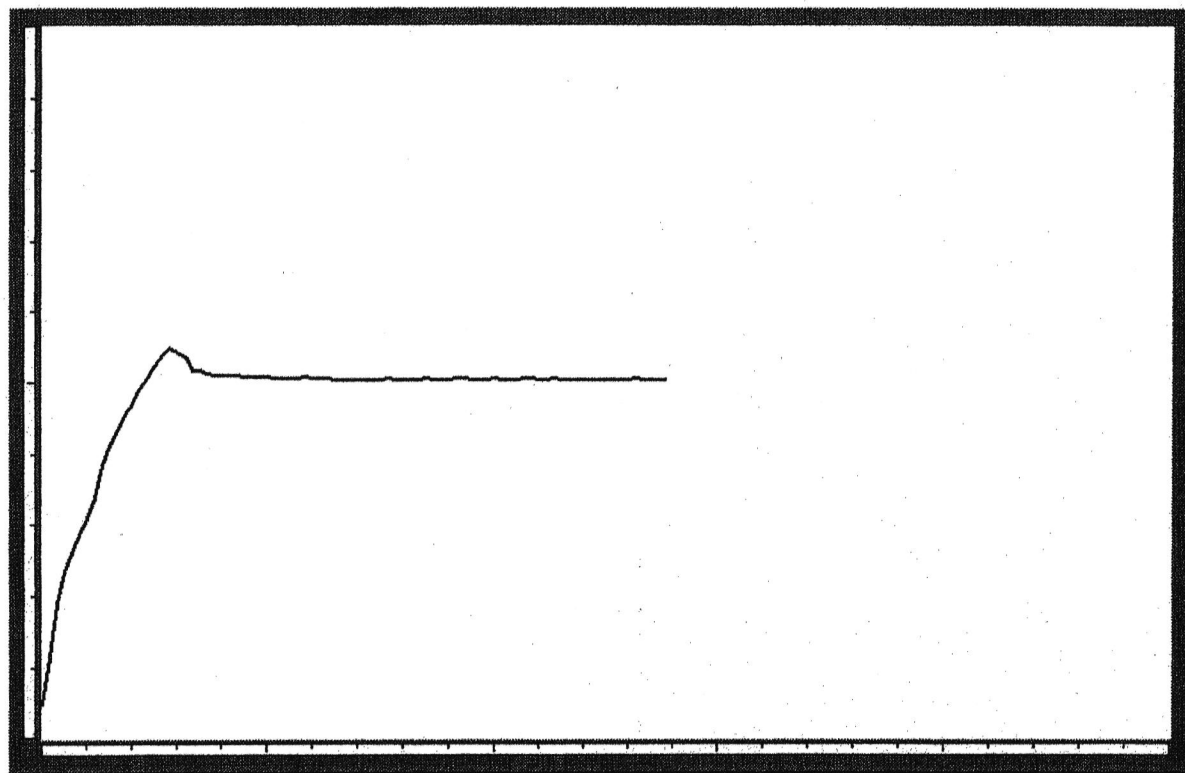
Test Completed By:

AG

20 PSI

10 PSI

0 PSI



13:31

13:34