



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

Certification Date: 28 Apr 2020
Expiration Date: 28 Apr 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 28750	1123005			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
HOUSTON, TX	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN	04Feb2002	30Nov2001	R-1754	R-1754		R-297.5
			-	-		10

Owner	Operator
KIRBY INLAND MARINE, LP 55 WAUGH DRIVE SUITE 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 plus Limited Coastwise---

Also, in fair weather only, not more than twelve (12) miles from shore between St. Marks and Carrabelle, Florida.

This vessel has been granted a fresh water service examination interval per 46 CFR 31.10-21(a). 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 Streamline Inspection

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

With this Inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur 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: J.J. ANDREW, CDR, USCG, By direction Officer in Charge, Marine Inspection Marine Safety Unit Port Arthur Inspection Zone
Date	Zone	A/P/R	Signature	



Temporary Certificate of Inspection

Vessel Name: KIRBY 28750

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.

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	30Apr2030	28Apr2020	17Feb2015
Internal Structure	30Apr2025	28Apr2020	04Apr2018

--- 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
28624	Barrels	A	Yes	No	No

Hazardous Bulk Solids Authority

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1	1154	13.6
2 P/S	587	13.6
3 P/S	587	13.6
4	937	13.6

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3866	10ft 3in	13.6	
III	4226	11ft 0in	13.6	

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment, serial #C1-0102778, dated 23Aug01, may be carried only in the tanks indicated. The specified hazardous cargoes may be carried only in the tanks indicated.

Per 46 CFR 150.130, the person in charge of the vessel is responsible for ensuring the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using figures, tables, and appendices of 46 CFR 150 in conjunction with the reactive group number from the "Compat Group No" column is listed in the vessel's CAA.

Benzene Prohibition

Vessel not authorized to carry Benzene or Benzene containing cargoes with a Benzene concentration of 0.5% or more.

Thermal fluid heater may only be operated when carrying grade "E" cargoes.

Stability and Trim

Per 46 CFR 151.10-15(c)(2) the maximum tank weights listed above reflect uniform(within 5%) loading at the deepest draft allowed. When carrying subchapter "O" cargoes at shallower drafts, the barge should always be loaded uniformly.

The maximum design density of cargo which may be filled to the tank top is 8.74 lbs/gal. Cargoes with higher densities, up to 13.6 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

--- Inspection Status ---



Temporary Certificate of Inspection

Vessel Name: KIRBY 28750

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1	17Feb2015	28Apr2020	30Apr2030	-	-	-
2 P/S	17Feb2015	28Apr2020	30Apr2030	-	-	-
3 P/S	17Feb2015	28Apr2020	30Apr2030	-	-	-
4	17Feb2015	28Apr2020	30Apr2030	-	-	-

Tank Id	Safety Valves	Hydro Test		
		Previous	Last	Next
1	-	-	-	-
2 P/S	-	-	-	-
3 P/S	-	-	-	-
4	-	-	-	-

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

--- Fire Fighting Equipment ---

Fire Extinguishers - Hand portable and semi-portable

Quantity	Class Type
3	B-II

END



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 28750**
Official #: D1123005

Shipyard: Jeffboat
Hull #: 01-2558

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Hull Typ	Cargo Seg Tank	Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements			
Tnk Grp	Tanks in Group	Density	Press.	Temp.			Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction	Elec Haz	Temp Cont
A	1, 2 (P/S), 3(P/S), 4	13.6	Atmos.	Amb.	II	1II 2II	Integral Gravity	PV	Open	II	G-1	NR	NA	Portable	.50-70(a), .50-70(b), .50-73, .50-81(a), .50-81(b),	56-1(d), (f), (g),	NR	No

- Notes: 1. Under Environmental Control, Tanks, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo tanks.
2. Under Environmental Control, Handling Space, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo handling space. NA means that the vessel does not have a cargo control space, and this requirement is not applied.
3. Under Electrical Hazard Class, NA means that the tank group is suitable only for those cargoes which have no electrical hazard class requirement. NR means that the vessel has no electrical equipment located in a hazardous location.

List of Authorized Cargoes

Cargo Identification							Conditions of Carriage				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat'l's of Construction		
							App'd (Y or N)	VCS Category			

Authorized Subchapter O Cargoes

Adiponitrile	ADN	37	O	E	II	A	No	N/A	No
Alkyl(C7-C9) nitrates	AKN	34 ²	O	NA	III	A	No	N/A	.50-81, .50-88
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	No	N/A	.55-1(h)
Camphor oil (light)	CPO	18	O	D	II	A	No	N/A	No
Carbon tetrachloride	CBT	36	O	NA	III	A	No	N/A	No
Chlorobenzene	CRB	36	O	D	III	A	No	N/A	No
Chloroform	CRF	36	O	E	III	A	No	N/A	No
Creosote	CCW	21 ²	O	E	III	A	No	N/A	No
Cresols (all isomers)	CRS	21	O	E	III	A	No	N/A	No
Ethylene cyanohydrin	ETC	20	O	E	III	A	No	N/A	No
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No
Ethylene glycol propyl ether	EGP	40	O	E	III	A	No	N/A	No
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No
Isoprene	IPR	30	O	A	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Sodium chlorate solution (50% or less)	SDD	0 ^{1,2}	O	NA	III	A	No	N/A	.50-73
Styrene monomer	STY	30	O	D	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Vinyl acetate	VAM	13	O	C	III	A	No	N/A	.50-70(a), .50-81(a), (b)



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 28750**
Official #: **D1123005**

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Shipyard: **Jeffboat**
Hull #: **01-2558**

Explanation of terms & symbols used in the Table:

Cargo Identification

Name	The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05, and 46 CFR Part 153 Table 2.
Chem Code none	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual. Certain mixtures of cargoes may not have a CHRIS Code assigned.
Compatibility Group No.	The cargo reactive group number assigned for compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.
Note 1	Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For
Note 2	additional compatibility information, contact Commandant (G-MSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 267-1217. See Appendix I to 46 CFR Part 150 - exceptions to the compatibility chart.
Subchapter	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter D	Those flammable and combustible liquids listed in 46 CFR Table 30.25-1.
Subchapter O	Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2.
Note 3	Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges.
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. Flammable liquid cargoes, as defined in 46 CFR 30-10.22. Combustible liquid cargoes, as defined in 46 CFR 30-10.15. The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. 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 D, E Note 4	Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
NA #	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 46 CFR 151.10-1.
I	Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 46 CFR 151.10-1(b)(1).
II	Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).
III	Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).
NA	Not applicable to barges certificated under Subchapter D.

Conditions of Carriage

Tank Group	The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
VCS Category:	The specified cargo's provisional classification for vapor control systems.
Category 1	(No additional VCS requirements above those listed for benzene, gasoline, and crude oil) The requirements that must be met are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR Part 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors and vapor densities, and a vapor growth of at least 25%.
Category 2	(Polymers) Due to polymerization properties, vessels collecting vapors of these cargoes must have a vapor collection and venting system designed to accommodate internal visual examinations to ensure the piping system and components are functional and residue buildup has not adversely affected the pressure drop characteristics of the system. The frequency of these examinations shall be to the satisfaction of the cognizant Officer-in-Charge, Marine Inspection (OCMI). This is in addition to the requirements of Category 1. Please note that a material not normally used as a monomer (or even considered to be a monomer) can be a problem in a detonation arrester. With experience, we may be able to move some in this category to Category 1. Where regulations require a product to meet 46 CFR 151.50-70, we consider the product to be one that polymerizes. On a case by case basis, where we know or suspect that a material can polymerize over time (even when the regulations do not require inhibition), we include it in this Category. In addition, chemicals that are reactive with the moisture in air to form a solid can present similar problems. Therefore we include them under this Category.
Category 3	(Highly Toxic) Due to toxic properties, vessels collecting vapors of these cargoes cannot use a spill valve or rupture disk arrangement as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1. Where the regulations require a product to meet 46 CFR 151.50-5, we consider the product to be highly toxic.
Category 4	(Polymerizes and Highly Toxic) Must comply with the requirements of Categories 1, 2, and 3. This includes highly toxic chemicals that are reactive with the moisture in air to form a solid.
Category 5	(High Vapor Growth Rate) Due to the high volatility of these cargoes, the vapor control system requirements cannot be prescribed until the effects of the vapor growth rate for the particular cargo is better understood. If information is available relating to the vapor growth rate of one of these cargoes or the requester is in a position to load a vessel with one of these cargoes at a facility where the liquid loading rate and the vapor discharge rate can be accurately measured, Commandant (G-MSO-3) should be contacted at (202) 267-1217. We have decided that if the vapor pressure is below 200 mm HG at 20 C, there is no vapor growth rate problem.
Category 6	(High Vapor Growth Rate and Highly Toxic) Must comply with the requirements of Categories 1, 3, and 5.
Category 7	(High Vapor Growth Rate and Polymerizes) Must comply with requirements of Categories 1, 2, and 5. This includes High Vapor Growth Rate chemicals that are reactive with the moisture in air to form a solid.
none	The cargo has not been evaluated/classified for use in vapor control systems.

*** This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection. ***

Type: SRV

Sales Order # 891435
 Job # 3318293LUL

Birth #: 00JLUX
 Date: Thursday, February 27, 2020
 Shipped Date: 2020/02/27

Owner: W & O SUPPLY (VAC)
 Plant: ORANGE, TX
 Customer #:
 PO #: 1498002

Tag Number Most Recent	N/A Yes (Relief Valve)	Location Unit	N/A N/A	Other Tag Data Client/Asset #	N/A N/A
Manufacturer Model Number	Consolidated 1910-00Q-3-CC-MS-31-RF-LA-HP	Valve Size & Orifice S/N	6 Q 8 = 11.05 IN ² SE21040	In/Outlet Rating Cap Type	300# RF / 150# RF Screwed
Soft Seat Mat'l	N/A	Soft Seat P/N	N/A	Special Cleaning?	No
Service	Non-compressible	Product Name	LIQUID	Applicable Code	Sec VIII
Pilot Model	****Pilot Information when applicable**** Pilot Model (Full)		****Pilot Information when applicable**** Pilot Serial		
Set Pressure	125 PSIG	Total Back Pressure	0 PSIG	Cold Diff Test Press	125 PSIG
Operating Temp	80 F	BP Is / Constant	0	ASME Capacity	3836 US G/MIN
Mfg Lift	N/A	Restricted Lift	N/A	Orifice	Q Bore Diam. 4.045
Req'd Spring	0612CR	Material	ALLOY STEEL	From / To	120 to 136
Hydro Verified?	L. DUPONT	Operating Pressure Gauge 1 ID	PSIG LUL00492	Final Preparation Checklist Birth# Matches Valve Yes Client Req'ments Check Yes Valve Painted Yes Valve Boarded N/A Client ID Tag Attached N/A Nameplate/Req'd Tags Attached Yes Replacement Parts Pres. Tested N/A VR/Code Stamp Applied Yes Ext Adjustments Sealed Yes Lever Adj'd & Strapped N/A Flg Cover/Plugs Installed Yes Sp Clean Valve Bagged N/A	
Checked-In By	L. DUPONT	Gge 2/EVT S/N	LUL00491		
Dimensions By	L. DUPONT	Final Test Press	125 PSIG		
Measured Lift	N/A	Result (Seats Tight)@	Passed @ 113 PSIG		
Disc Rock	IN	BP Test @	Passed @ 30		
Overlap Collar	N/A	Date Tested	2020/02/14		
Assembled By	L. DUPONT	Tested By	L. DUPONT		
BD Ring-Up	N/A	Witnessed By	J. Boyle		
BD Ring-Low	5 Notches	Final Inspected By	J. Boyle		
Test Media	Water	CI/QC Inspector	J. Rickenbacker		
Test Method	Bench				

Comments

Valve Converted on Date: 2020/02/12 Authorized By: Sam Taylor

Convert valve to Liquid Trim Design
 Install: LTR13
 AS070 Rev. 20 - Machine Spring Washers

Description



Law Valve of Texas

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

LVT Sales Order LV-5433-SO

Barge Name Kirby 28750

Work Order # LV-5594-WO

Shop Order & Test Report

Customer:	Kirby Inland Marine	Order #			
Make	Kunkle	Size	6" x 6"	Model #	91K-P02
Serial #	5533-1	Inlet	6"250	Outlet	6"125
Constrution:	Conventional RV	Cap:	Plain		
Set Pressure:	125 psi pressure				
Tag:		Orifice:	P		
Work Required:	Complete Overhaul	Test Air			
Condition Received:	Good				

General Condition Pre-repair

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

Parts replaced and other work:

Final Test Report

Date 3/6/2020

Set Pressure 125 psi pressure

Nozzle Ring Setting N/A

Back Pressure 30 PSI

Tested By: Eduardo A Perry

Witnessed/Assy: Michael Canias

U.S. Coast Guard Witness

Safety valve inspection report

Certificate nr 773
Date 02-12-2020

Job no. LV-5433-SO
Client Kirby

Valve data

Set pressure (cold) 150 psi
Tag. No.
Serial No. 844063-3
Manufacturer Hydroseal
Type / Model 3FRV30F/C0

Size 1/2x3/4
Rating
Nozzle / Orifice 1/2
Fluid Air
Barge # KIRBY 28750

Test data

Set pressure test

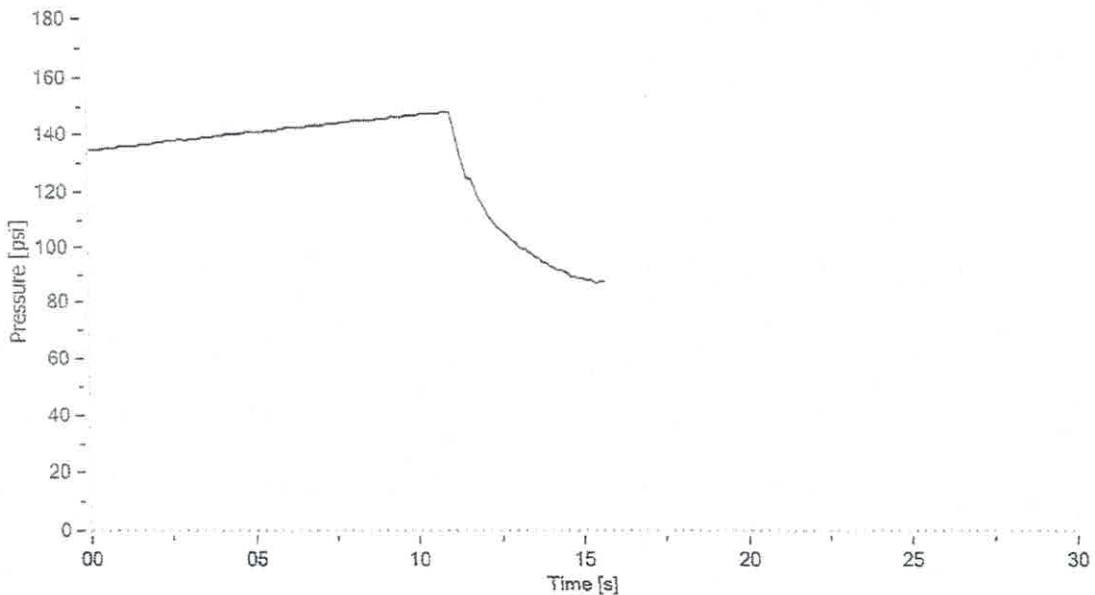
Found set pressure 148 psi
Reseat pressure (indication) 87 psi
Result Passed
Test method

Seat tightness test

Leakage -
Test pressure -
Result -

Manual Back Pressure test

BP Pressure
BP Result



Tested by
Name
Date
Signature

David Theiler
2-12-2020
[Signature]

Inspected by

Name Javier Gutierrez
Date 2-12-20
Signature *[Signature]*

Safety valve inspection report

Certificate nr 774
Date 02-12-2020

Job no. LV-5433-SO
Client Kirby

Valve data

Set pressure (cold) 150 psi
Tag. No.
Serial No. 844063-7
Manufacturer Hydroseal
Type / Model 3FRV30F/CO

Size 1/2x3/4
Rating
Nozzle / Orifice 1/2
Fluid Air
Barge # KIRBY 28750

Test data

Set pressure test

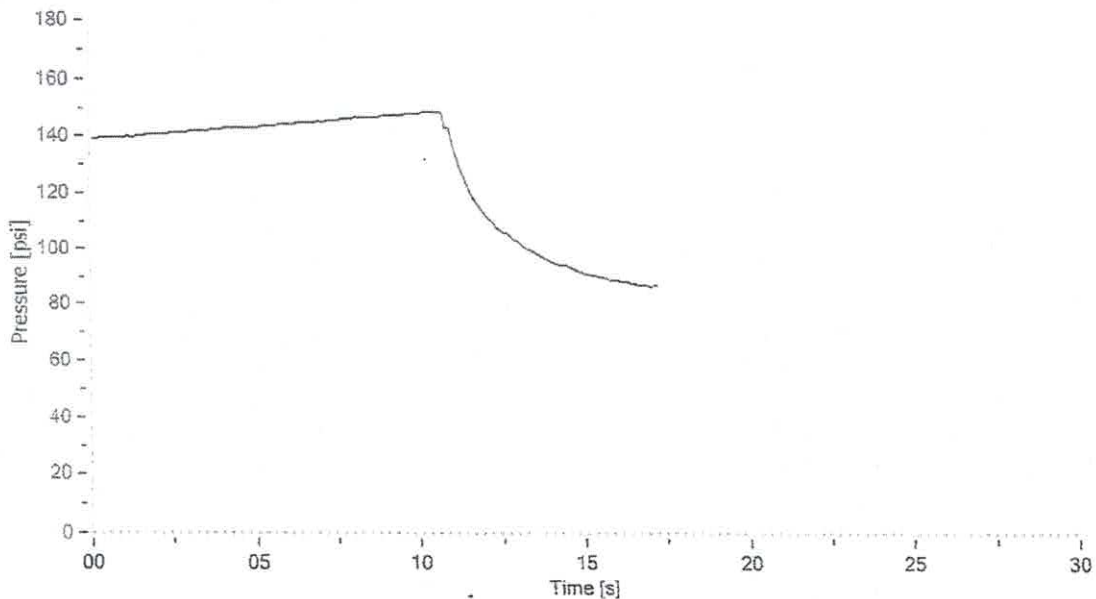
Found set pressure 149 psi
Reseat pressure (indication) 87 psi
Result Passed
Test method


Seat tightness test


Leakage -
Test pressure -
Result -

Manual Back Pressure test

BP Pressure
BP Result



Tested by
Name David Theiler
Date 2-12-2020
Signature 

Inspected by
Name Javier Gutierrez
Date 2-12-20
Signature 

Safety valve inspection report

Certificate nr 775
Date 02-12-2020

Job no. LV-5433-SO
Client Kirby

Valve data

Set pressure (cold) 150 psi
Tag. No.
Serial No. 844063-8
Manufacturer Hydroseal
Type / Model 3FRV30F/C0

Size 1/2x3/4
Rating
Nozzle / Orifice 1/2
Fluid Air
Barge # KIRBY 28750

Test data

Set pressure test

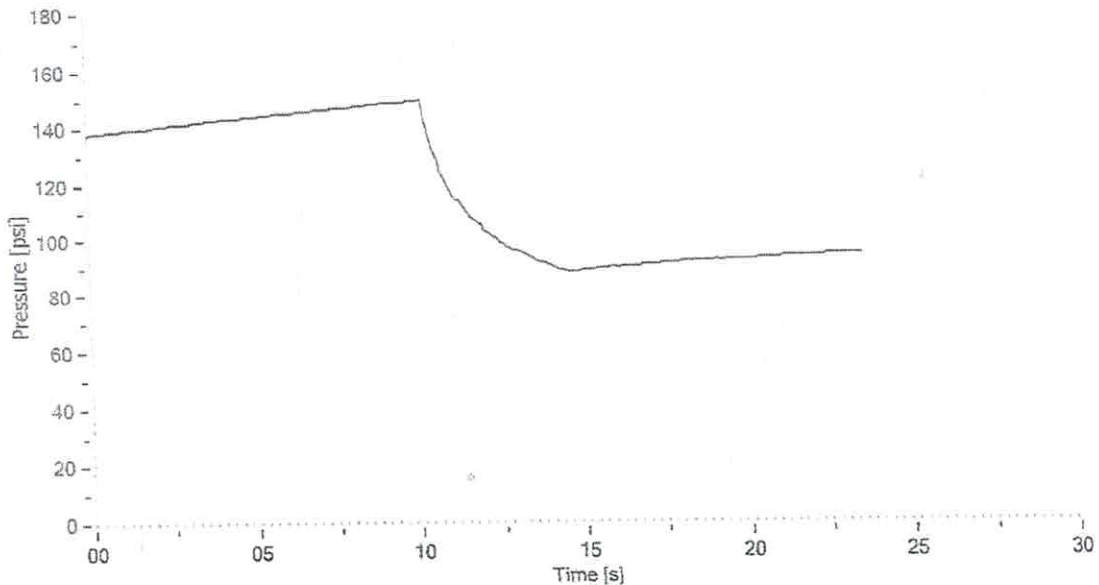
Found set pressure 149 psi
Reseat pressure (indication) 94 psi
Result Passed
Test method

Seat tightness test

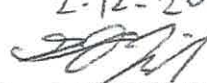
Leakage -
Test pressure -
Result -

Manual Back Pressure test

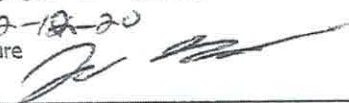
BP Pressure
BP Result



Tested by
Name
Date
Signature

David Theiler
2-12-2020


Inspected by

Name Javier Gutierrez
Date 2-12-20
Signature 

Safety valve inspection report

Certificate nr 776
Date 02-12-2020

Job no. LV-5433-SO
Client Kirby

Valve data

Set pressure (cold) 150 psi
Tag. No.
Serial No. 844063-9
Manufacturer Hydroseal
Type / Model 3FRV30F/CO

Size 1/2x3/4
Rating
Nozzle / Orifice 1/2
Fluid Air
Barge # KIRBY 28750

Test data

Set pressure test

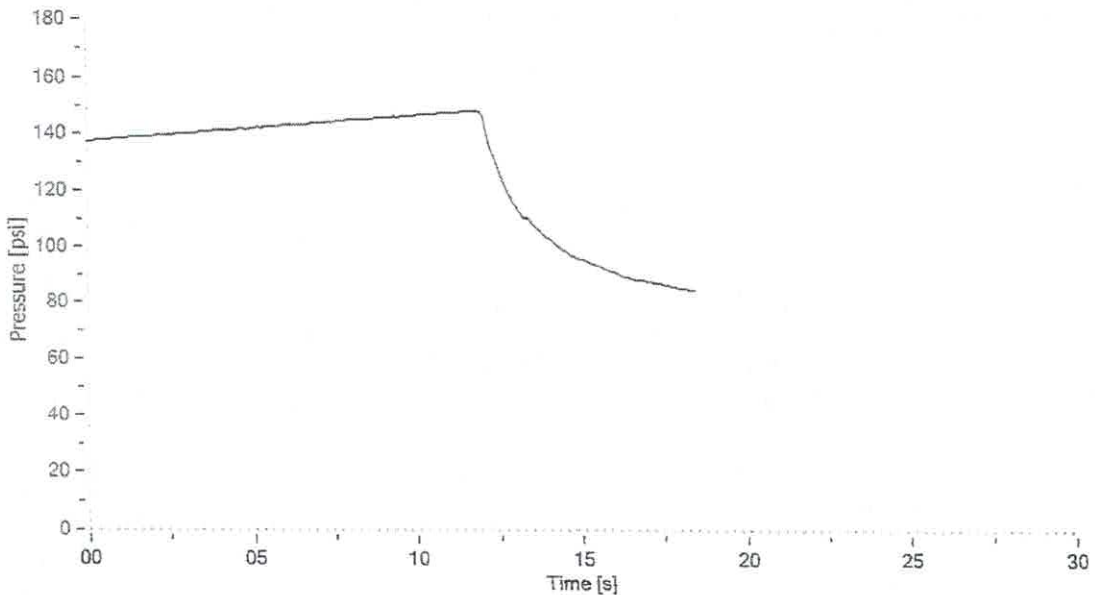
Found set pressure 148 psi
Reseat pressure (indication) 84 psi
Result Passed
Test method

Seat tightness test

Leakage -
Test pressure -
Result -

Manual Back Pressure test

BP Pressure
BP Result



Tested by
Name
Date
Signature

David Theiler
2-12-2020
David Theiler

Inspected by
Name *Javier Gutierrez*
Date *2-12-20*
Signature *Javier Gutierrez*