



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

Certification Date: 23 Feb 2022
Expiration Date: 23 Feb 2023

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
KARANKAWA	1235320			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
MEMPHIS, TN	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
MORGAN CITY, LA	22Dec2011	09May2011	R-1185	R-1185		R-245.0
UNITED STATES			-	-		10

Owner	Operator
KIRBY INLAND MARINE LP 55 WAUGH DR STE 1000 HOUSTON, TX 77007 UNITED STATES	KIRBY INLAND MARINE LP 18350 Market Street 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---

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) (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 Coast Guard District's Tank Barge Streamlined Inspection Program

*****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			
Date	Zone	A/P/R	Signature

This certificate issued by: 
K. A. Hantal, CDR, USCG, By direction
 Officer in Charge, Marine Inspection
Marine Safety Unit Port Arthur
 Inspection Zone



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(TBSIP). Inspection activities aboard this barge shall be conducted per its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to OCHI Houston-Galveston.

—Hull Exams—

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Dec2031	23Feb2022	22Dec2011
Internal Structure	31Dec2026	23Feb2022	08Dec2016

— Liquid/Gas/Solid Cargo Authority/Conditions —

Authorization: LFG AND SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
16101	Barrels	LFG	Yes	No	No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1&2 (BDI)	803	5.228
1&2 (BTN)	747	4.997
1&2 (BUT)	733	4.880
1&2 (IBT)	691	4.690
1&2 (PPL)	620	4.348
1&2 (PRP)	592	4.246

Conditions Of Carriage

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.

Inspected and approved for the carriage of liquefied flammable gases (LFGs) at a pressure not to exceed 265 psig and at temperatures not less than ambient. Those LFGs that have been authorized for carriage are identified by their CHRIS code in the loading constraints above.

Loading Constraints - Stability

Cargo (CHRIS Code)	Max. Load (Short Tons)	Max. Draft (ft, in)	Max Density (lbs/gal)	Route
BDI	1606.8	8' 3-1/4"	5.228	R, LBS
BTN	1494.1	8' 3-1/4"	4.997	R, LBS
BUT	1465.9	8' 3-1/4"	4.88	R, LBS
IBT	1381.3	8' 3-1/4"	4.69	R, LBS
PPL	1240.4	8' 3-1/4"	4.348	R, LBS
PRP	1184	8' 3-1/4"	4.246	R, LBS

Mixtures of the subchapter "D" liquefied flammable gas cargoes listed above are also authorized for carriage subject to the loading and stability constraints of the least dense cargo in the mixture.

Mixtures of the subchapter "O" and "D" liquefied gas cargoes not specified above must be approved by the Marine Safety Center prior to being authorized for carriage.



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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.

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1&2 (BDI)	22Dec2011	23Feb2022	31Dec2031	01Mar2019	23Feb2022	28Feb2027
1&2 (BTN)	22Dec2011	23Feb2022	31Dec2031	01Mar2019	23Feb2022	28Feb2027
1&2 (BUT)	22Dec2011	23Feb2022	31Dec2031	01Mar2019	23Feb2022	28Feb2027
1&2 (IBT)	22Dec2011	23Feb2022	31Dec2031	01Mar2019	23Feb2022	28Feb2027
1&2 (PPL)	22Dec2011	23Feb2022	31Dec2031	01Mar2019	23Feb2022	28Feb2027
1&2 (PRP)	22Dec2011	23Feb2022	31Dec2031	01Mar2019	23Feb2022	28Feb2027

Hydro Test

Tank Id	Safety Valves	Hydro Test		
		Previous	Last	Next
1&2 (BDI)	01Feb2022	-	-	-
1&2 (BTN)	01Feb2022	-	-	-
1&2 (BUT)	01Feb2022	-	-	-
1&2 (IBT)	01Feb2022	-	-	-
1&2 (PPL)	01Feb2022	-	-	-
1&2 (PRP)	01Feb2022	-	-	-

---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
2	40-B

END

Safety valve inspection report

Certificate nr 1647
Date 01-31-2022

Job no. LV-9812-S00
Client KIRBY INLAND MARINE
Barge # KARANKAWA

Set pressure (cold) 480 psi
Manufacturer AQUATROL
Type / Model 742DG1V2K1
Serial No. L211029-2

Valve data

Size 1XDX1
Rating
Nozzle / Orifice 1 D

Test data

Set pressure test

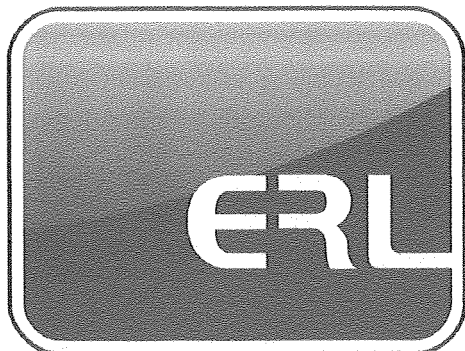
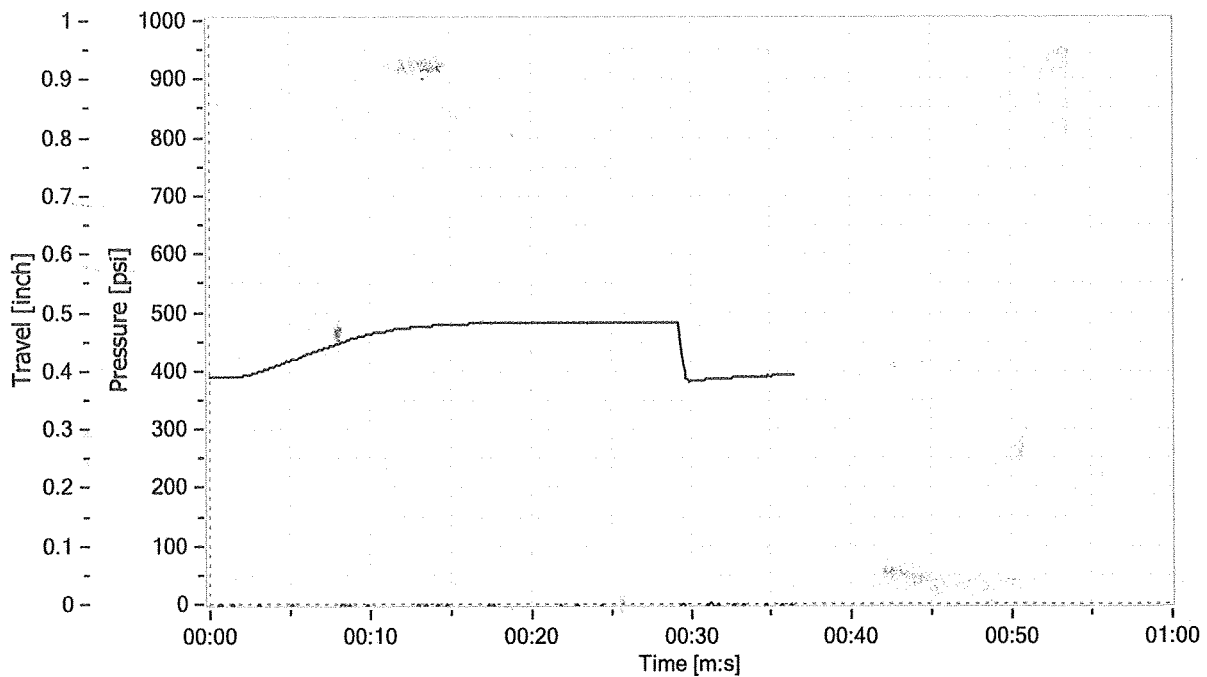
Found set pressure 483 psi
Reseat pressure (indication) 393 psi
Result Passed
Test method AIR

Seat tightness test

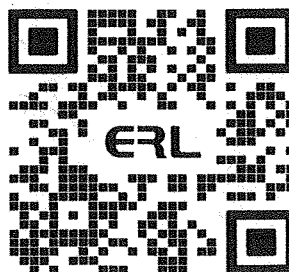
Leakage 0 bubbles/min.
Test pressure 443 psi
Result Passed

Backpressure test

Pressure 30 psi
Result Passed



INTERLINK



Tested by

Name BRYANT RITCHIE

Date 1-31-22

Signature

Inspected by

Name Joey Green

Date 1/31/22

Signature

Safety valve inspection report

Certificate nr 1648
Date 01-31-2022

Job no. LV-9812-SO
Client KIRBY INLAND MARINE
Barge # KARANKAWA

Set pressure (cold) 480 psi
Manufacturer AQUATROL
Type / Model 742DG1V2K1
Serial No. 94485-3

Valve data

Size 1XDX1
Rating
Nozzle / Orifice 1 D

Set pressure test

Found set pressure 492 psi
Reseat pressure (indication) 413 psi
Result Passed
Test method AIR

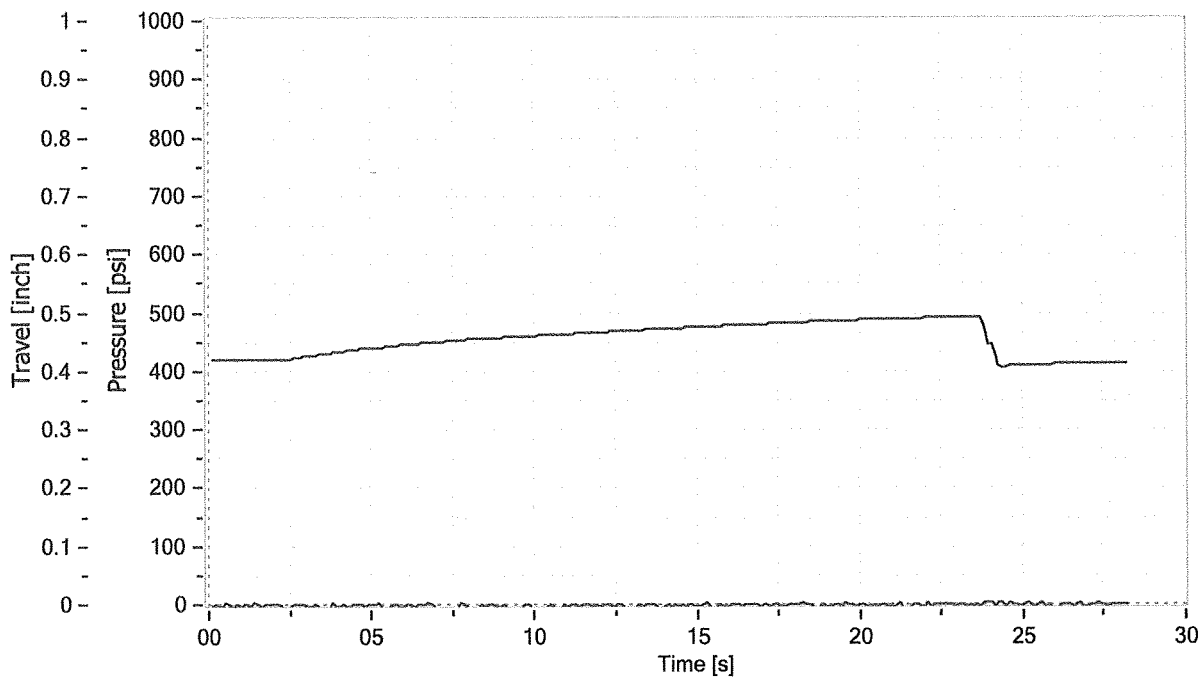
Test data

Seat tightness test

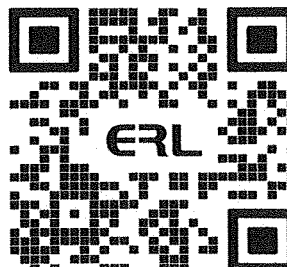
Leakage 0 bubbles/min.
Test pressure 446 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by

Name

BRYANT RITCHIE

Date

1-31-22

Signature

Inspected by

Name

Joey Green

Date

1/31/22

Signature

Safety valve inspection report

Certificate nr 1646
Date 01-31-2022

Job no. LV-9812-SO
Client KIRBY INLAND MARINE
Barge # KARANKAWA

Set pressure (cold) 480 psi
Manufacturer AQUATROL
Type / Model 742DG1V2K1
Serial No. L211029-1

Valve data

Size 1DX1
Rating
Nozzle / Orifice 1 D

Set pressure test

Found set pressure 487 psi
Reseat pressure (indication) 376 psi
Result Passed
Test method AIR

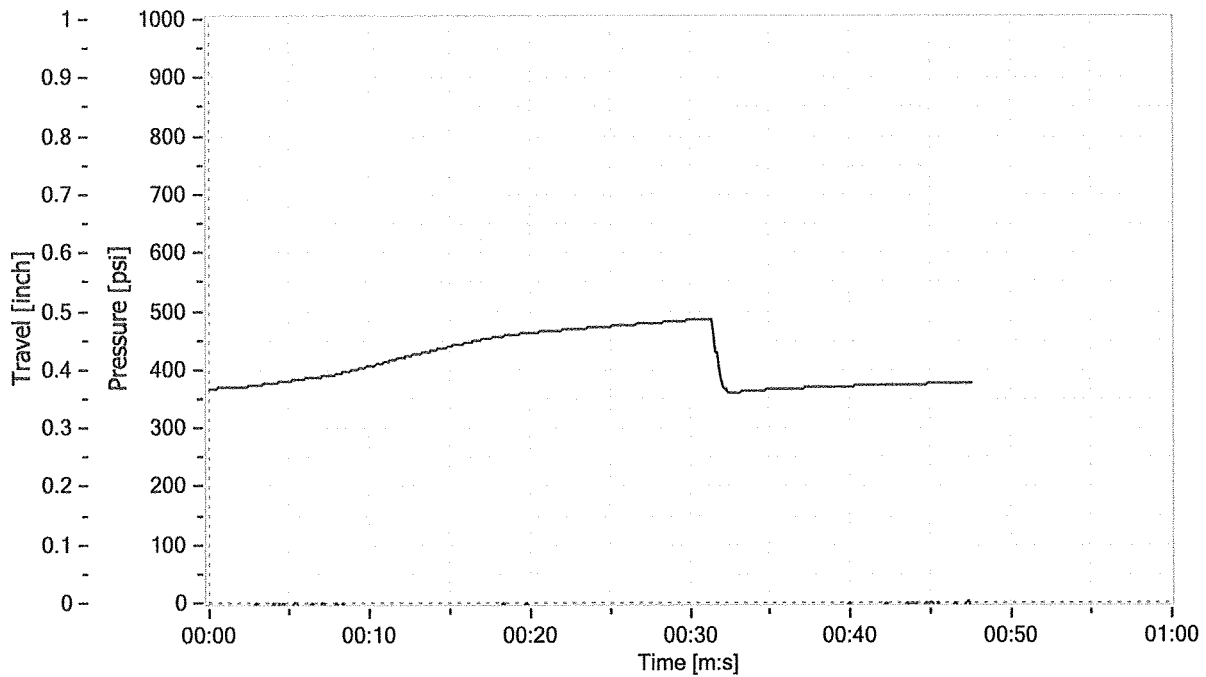
Test data

Seat tightness test

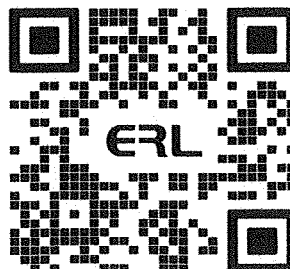
Leakage 0 bubbles/min.
Test pressure 437 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by

Name

BRYANT RITCHIE

Date

1-31-22

Signature

Inspected by

Name

Jocelyn Green

Date

1/31/22

Signature

Safety valve inspection report

Certificate nr 1649
Date 01-31-2022

Job no. LV-9818-SO
Client KIRBY INLAND MARINE
Barge # KARANKAWA

Valve data

Set pressure (cold) 480 psi
Manufacturer AQUATROL
Type / Model 742DG1V2K1
Serial No. 94485-4

Size 1XDX1
Rating
Nozzle / Orifice 1 D

Test data

Set pressure test

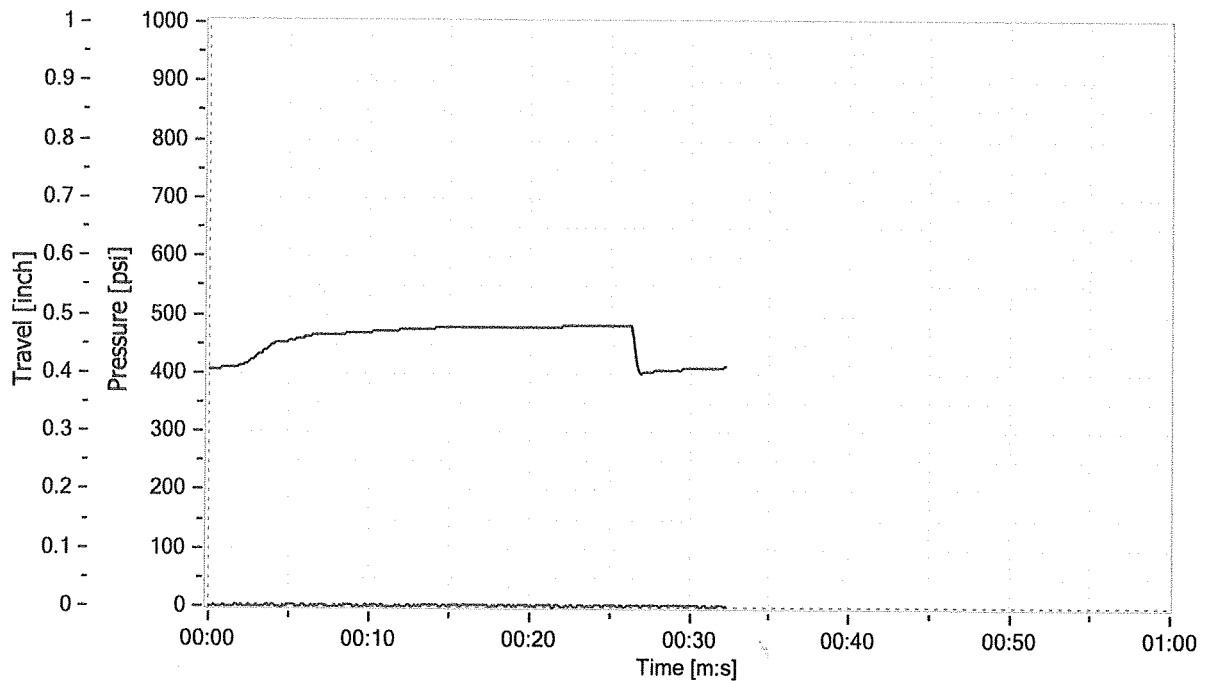
Found set pressure 481 psi
Reseat pressure (indication) 411 psi
Result Passed
Test method AIR

Seat tightness test

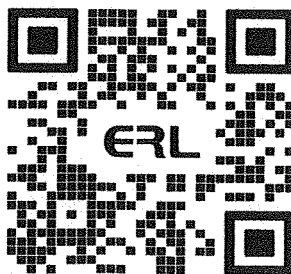
Leakage 0 bubbles/min.
Test pressure 434 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by

Name BRYANT RITCHIE
Date 1-31-22
Signature *B. Ritchie*

Inspected by

Name *Joy Green*
Date 1/31/22
Signature *Joy Green*