

Kirby 27774

SURVEY REPORT

March 26, 2025

This Is To Certify that the undersigned marine surveyor,
at the request of Kirby Inland Marine and on behalf of "Whom It May Concern", conducted an ultrasonic,
thickness-gauging survey, on March 26, 2025, on the

Steel Tank Barge "Kirby 27774"

OWNER: Kirby Inland Marine

while the vessel was afloat at Westport Orange Shipyard, Orange, Texas for the purpose of determining the
thickness of the hull plating.

SURVEY:

The survey was conducted by the undersigned, attending surveyor using a Danatronics ECH- 09 thickness
gauge, serial # 05064027, last calibrated by a qualified testing laboratory May 13, 2024, using NIST standards.
After preparation of the shot locations, measurements were taken and noted. A report of the measurements is
attached.

Dan Fagan



Rio Marine Inc.

"In accepting this report or certificate it is agreed that the extent of the obligation of this company with respect thereto is limited to furnishing a surveyor to be
competent. And in the making of this report or certificate the surveyor is acting on behalf of the person requesting the same. And no liability shall attach to this
company for the accuracy thereof."



Certificate Number **24-6201125-A**
Effective Date 04 Jan 2024
Expiry Date 06 Sept 2026
ABS Port Office Houston, Texas
Company's Website WWW.RIOMARINEINC.COM

CERTIFICATE OF Recognized Service Supplier

This is to certify that

Rio Marine Inc.

located at

5301 Polk St. Bldg 12, Houston, Texas-77023

having been audited by ABS and having given a satisfactory practical demonstration of the service listed below, is recognized by ABS as a Service Supplier to provide services which ABS Surveyors may rely on to make decisions affecting classification or statutory surveys.

Hull Gauging

Attached Certificate Appendix provides specific scope of approval, authorized personnel, manufacturer authorizations, and subcontractors.

It is the responsibility of the Service Supplier to employ, train and qualify persons in the service provided. If the service requires approval from manufacturers, the Service Supplier is responsible to maintain contact with the manufacturer and maintain any service manuals up to date. Where required by the category of service, the Service Supplier shall provide valid evidence that it is authorized or licensed by the equipment manufacturer to service the makes and models of equipment for which approval is sought. If approval from the manufacturer is not attained, a surveyor must be present at time of survey to continue work. Alternatively, current written instructions from the flag state are to be obtained to continue work without the surveyor present. Service Suppliers must present photo identification, evidence of qualification and authorizations from manufacturers, as applicable, at the time of service.

The ABS office issuing this certificate is to be kept updated with changes to the management of the company, employees, equipment and models on the authorization list and any changes made.

Muhammed Murshadul Alam, Surveyor



Authorized Magnaflux Service Center
Validation of Calibration
Digital Thickness Gage

CALIBRATION REPORT							
Customer:	Rio Marine, Inc.			Type:	Thickness Gauge, Digital		
Address:	5301 Polk, Building 12			Manufacturer:	Danatronics	Warranty:	N/A
City, State, Zip:	Houston, TX 77073			Model #:	EHC-09	Initial Cal:	N/A
PO #:	Verbal Jack			Serial #:	05064027	Adjusted:	N/A
Calibration Location:	Stroud Systems			Certificate #:	24134 — 05064027		
Date:	May 13, 2024	Frequency (Months):	12	Temperature:	79.3 °F	Humidity:	39 %
		Cal Due Date:	May 13, 2025				
EQUIPMENT STATUS							
As Found Condition		Pass/Fail		As Left Condition		Pass/Fail	
In Calibration		Pass		In Calibration		Pass	
TEST EQUIPMENT REFERENCE STANDARDS							
SERIAL	INSTRUMENT	MODEL	Cal Date	CAL DUE DATE	Certificate No.		
01-5825	Block, Ultrasonic Cal	5-Step Steel	July 18, 2023	July 18, 2024	2311285		
04-6599	Block, Ultrasonic Cal	4-Step Steel	July 18, 2023	July 18, 2024	2311284		
D5991	Transducer, Dual	DK-537	July 26, 2023	July 26, 2024	23208-1		
1.0 Battery Check		Yes	5.0 Dual Element Readings				
2.0 Data Recorder Check		N/A	Transducer Type:		DK-537	Zero-to-First:	
3.0 Instrument Cleaned		Yes				Multi-Echo:	
4.0 Probe Zero / Calibration: (Dual and Single Elements)		Yes	As Found	Expected	Obtained	As Found	Expected
			1.000	1.000	1.000	0.750	0.750
Notes:			0.750	0.750	0.750	0.500	0.500
			0.499	0.500	0.499	0.399	0.400
			0.199	0.200	0.199	0.299	0.300
			0.100	0.100	0.100	0.199	0.200
			6.0 Single Element Readings				
			Transducer Type:		N/A	Zero-to-First:	
						Multi-Echo:	
Statement Of Compliance							
This equipment has been calibrated to ASTM E797 in accordance with ANSI/NCSL Z540 3-2006 and Manufacturer's specifications. All standards and test equipment used display and or read in SI Units and are traceable to the National Institute of Standards and Technology and or other manufacture authorized standards. This document shall not be reproduced except in full, without the written approval of Stroud Systems Inc.							

Calibration Performed by: Reggie Bozeman, Service Technician

Boreman, Reggie

602 Eagle Ave., Pasadena, TX 77506
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<http://www.stroudsystems.com>

Rio Marine, Inc. EHC09 sn 05064027
(FM-DTGCF-0797, Rev 20160725)

1 of 1

ISO 9001:2015, C2023-01867

Rio Marine, Inc.