

From: [John Tomlinson](#)
To: [Furukawa Robert](#)
Cc: [Heidi Payne](#)
Subject: RE: Towing bridle - please review; were 35-ton or 55-ton shackles used?
Date: Thursday, February 16, 2023 12:02:50 PM
Attachments: [image001.png](#)
[image002.png](#)

[CAUTION] This email originated from outside of the organization. Do not click any links or open attachments unless you recognize the sender and know the content is safe.

John,

I cannot find certs on the 35 ton shackles. I spoke to Capt. Jeff and asked him if he could clarify if he used 35 or 55 ton.

He said they may have been 55 tons per the certificate you have.

Regards,

John Tomlinson
Vice President/Commercial Director
P and L Towing and Transportation, Inc.
A Certified Woman Owned Small Business
UEI Number: [HXYLQKTX94L4](#)
BIMCO Registration: 180524

14501 SW 21st Street
Davie, Florida 33325
Cell: [REDACTED]
Phone: [REDACTED]
<http://www.pandltowing.com/>



CONFIDENTIALITY NOTICE: This e-mail transmission, and any documents, files or previous e-mail messages attached to it may contain confidential information that is legally privileged. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that any disclosure, copying, distribution or use of any of the information contained in or attached to this message is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify us by reply mail at contact@pandltowing.com and destroy the

original transmission and its attachments without reading them or saving them to disk.

From: Furukawa Robert <[REDACTED]>
Sent: Monday, February 13, 2023 4:40 PM
To: John Tomlinson <[REDACTED]>
Subject: Towing bridle - please review; were 35-ton or 55-ton shackles used?
Importance: High

John,

Is this correct:

On January 15, 2022, a proposal was signed for the *Capt. Beau* to tow the *Carib Trader II* dead ship from Miami to Gonaives, Haiti on February 2. About 2 days before getting underway (March 1), the crew of the *Capt. Beau* boarded the moored *Carib Trader II* on the Miami River to inspect the vessel and rig the towing bridle. The *Capt. Beau* chief engineer said he asked if he should set up a visual flooding alarm in the engine room, but the vessel manager declined as both sea chests were closed. The starboard anchor was missing, and the port anchor was secured with three ½-inch slings. A 1¾ inch wire was secured to the port and the starboard mooring bits; because of concerns with chaffing in the chocks, each wire was connected to 2-inch chain with a 35-ton shackle (all connections with 35-ton [no certs?] or with 2½-inch 55-ton? [inspected February 10, 2014]), the chain ran out through the mooring chocks, and each chain was connected to a 1¼-inch 75 ft length of Spectra® (polyethylene) line (minimum break strength 149,000 lbs. certificate of compliance dated February 24, 2020) with a 35-ton shackle. At the end of each port and starboard spectra line, was a 35-ton shackle and a third 35-ton shackle connected the port and starboard lines together to form the towing bridle and the connection point to the stern 2-inch towing wire of the *Capt Beau*.

- The interview said **35-ton** shackles were used for connections, but the certificates sent were for 2½-inch **55-ton** shackles. Did the tow use **35-ton or 55-ton shackles?** If 35-ton shackles were used, please send the certificates/inspection reports.

Best regards,

R. Jon Furukawa  Safety Investigator  [NTSB Marine Accident Reports](#)  [REDACTED] 

CONFIDENTIALITY NOTICE - THIS E-MAIL TRANSMISSION MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, PROPRIETARY, SUBJECT TO COPYRIGHT, AND/OR EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IT IS FOR THE USE OF INTENDED RECIPIENTS ONLY. If you are not an intended recipient of this message, please notify the original sender immediately by



DNV CERTIFICATION (CHINA) CO., LTD.
INSPECTION REPORT

(Report No.: SHA/873280/1402-834)

Verification Product: FLAT PIN DEFIANCE TOW SHACKLE 2-1/2"WLL 55 TONS 25PCS
Standard/Specification: Drawing TLCB-XK-02 Rev.0 by Qingdao Tongli
Manufacturer: Qingdao Tongli Marine Machinery Co., Ltd
Manufacturer Location: TCL ROAD, BEIAN INDUSTRIAL ZONE, JIMO QINGDAO, CHINA
Purchaser: Atlantic Cordage Corp.
Purchase Order No. 124289/SJ13128
Inspection Date: Feb.10, 2014
Auditor: Weihua Yuan (DNV Shanghai)
DNV Project No.: 873280

Product Description:

No	Description	Qty
1	FLAT PIN DEFIANCE TOW SHACKLE 2-1/2"WLL 55 TONS	25PCS

Scope of verification

Upon the request of Qingdao Tongli Marine Machinery Co., Ltd, DNV's undersigned auditor attended at the manufacturer's factory on Feb.10, 2014 and performed the following verification activities for above mentioned products.

1. Review following manufacturer's product documents submitted by Qingdao Tongli.

(1.) Cast steel technical data report card Certificate No.:13MO081-4: Chemical analysis

Item	Material Grade	Certificate No.	Heat No.	C	Si	Mn	P	S	Cr	Ni	Mo
1	42CrMo	13MO081-4	T213-7670	0.38-	0.15-	0.75-	0.035	0.04	0.80-	/	0.15-
				0.43	0.35	1.00	max.	max.	1.10		0.25
				0.39	0.21	0.82	0.012	0.006	0.93		0.02

(2.) Mechanical properties:

Item	Specified Data	Result
Proof Test Loading	82.5 tons	82.5 tons No deformation
Breaking Test Loading	220 tons	220 tons No breaking

(3.) Other Data

Fabrication Method	Surface	Weight
Drop-forged	Hot-dipped galvanized	1150kgs

2. Witness the manufacturer's product load tests, the results as the following table:

Item	Description	Proof test Requirement	Result
1	FLAT PIN DEFIANCE TOW SHACKLE 2-1/2"WLL 55 TONS	1.5 times WLL	No deformation found after test check, Pass





Note: 1.The proof test requirement and sample size 4% (1pc randomly, marked by DNV) were follow up the client's application; 2. The test machine model WE-1000KN SN: 192 was with Calibration Certificate No.ZX13-CL0709, Nov.06, 2013-Nov.05, 2014, Valid.

3. Witness the manufacturer's product main dimension check according to the Drawing TLCB-XK-02, the results as the following table:

Item	Size	Φ63.5	Φ165	330	203	456	274	159	89	70
		+3.2/-1.0 mm	Unit mm, Tolerance +/-2.5%							
1	2-1/2"WL 55 TONS	64.6	168.0	333.2	203.4	456.0	272.0	157.5	90.0	70.4

Note: 1.The sample size 4% (1pc randomly, marked by DNV) were follow up the client's application; 2.The vernier caliper, type: 0-300mm, SN: 7329221, with Calibration Certificate No.YR-1303302, valid duration Mar.06, 2013-Mar.05, 2014; 3.The vernier caliper, type: 0-500mm, SN: 1177, with Calibration Certificate No.YR-1303300, valid duration Mar.06, 2013-Mar.05, 2014.

4. Visual inspection and package inspection:

The shackles surface were with hot-dipped galvanized, no obvious abnormal condition was found. And the shackles markings were clear to verify, "WLL55T DEFIANCE SHA/873280/1402-834 2 1/2".

The shackles packages were not finished completely when DNV visited, and shackles were packaged in the plywood box orderly, with steel pallet convenient for transporting. The plywood box corners were strengthened by steel sheets.

Conclusion:

1. Document reviewed and found to comply with the requirements of the product specifications.
2. The witness results of the proof test, and dimension check comply with the requirements of the drawing specification.

DNV CERTIFICATION (CHINA) CO., LTD.



Weihua Yuan
Issued in Shanghai
Feb.10, 2014

