

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

10 APR 1928

Received at London Office

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of report

5th April, 1928.

Port of

Belfast

No. 9945

Survey held at

Date First Survey

2nd Nov 1927

Last Survey

29th March 1928

On the

(State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Twin Screw

"TIA JUANA"

(Machinery aft)

State Type

(Full Scantling, Complete Superstructure with or without Tonnage Openings)

Full Scantling, "Carrying Petroleum in Bulk"

State Type of Erections

Poop, Forecastle Longitudinal Trunk

TONNAGE under Tonnage Deck...

1742.83

CLASS *+* 100A1

State if with freeboard as condition of Class

No

Built at

Belfast

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 305

Breadth (greatest moulded)

B 50

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 15

1st Longitudinal Number (L x D) = 4575

2nd Numeral L x (B + D) = 19825

Framing Depth "d," at middle of length. See Sec. 3 (1d)

13.25

Proportions—Depth to Length—Uppermost continuous deck to top of keel

20.33

Do. Long Bridge to top of keel

13.45

Draught Moulded

12'-9 1/2"

Launched 8th March 1928 Yard No. 833

Builders Harland & Wolff Ltd

Owners Lugo Shipping Co Ltd

Managers A. Weis & Co

(Where necessary to be entered in Reg. Book.)

Residence

Port of Registry London

If surveyed while building, afloat, & in dry dock

Yes

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
ES, Spacing amidships			24		Bracket Floors, Frame			✓	
" from 1/2 length to Collision bulkhead			24		" " Reversed Frame				
" in peaks			24		" " Vertical Struts				
FRAMING. BA. in way of Ballast Spaces	6 1/2	3	46		Centre Girder, depth and thickness amidships			✓	
Amidships, Angle, E or F	6	3	36		" " top Angles				
Extends up to Upper Dk., Fore Dk. & Aft. to Poop					" " bottom Angles				
" Bottom to Shell, Angles	3 1/2	3	36	38	Side Girders, No. each side and thickness			✓	
Reversed Frame Amidships, Angle, E or F	3	3	36		Margin Plate depth (excl. of flange) and thickness			✓	
" on Floor, Angle	3	3	36		" " Vertical Angle to Tank side				
Extends up to					Bracket abaft 1/2 len. from stem				
th of Framing Girder	6	Ballast Spaces	6 1/2		" " Vertical Angle to Tank side				
Spaces in Uppermost Continuous 'tween Decks, Angle, E or F			✓		Bracket forward 1/2 len. from stem				
" Second 'tween Decks, Angle, E or F			✓		Gussets, spacing and scantling abaft 1/2 len. from stem				
" Third " " "			✓		" " Gussets, spacing and scantling forward 1/2 len. from stem				
ing in Peaks, Angle E or F	6	3	34		Tank Side Brackets, height above base line at toe of Frame and thickness			✓	
eter and Spacing of Rivets through Frame and Shell Plating amidships	3/4	spaced	5 1/2 & 4 1/2	in all tanks	INNER BOTTOM PLATING.				
if Frame Joggled			1/4		Breadth and thickness of Middle Line Strake			✓	
NG ARRANGEMENTS (Sec. 7), state system and particulars				13" web & 6-3-3/4 angle side stringer & one line of transverse beams in peaks	Thickness of remainder in Holds				
STRENGTHENING OF BOTTOM FORWARD. State Particulars				Double frames to floor between intercostals. Increased shell	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?				
BOTTOM.					BEAMS.				
Depth and thickness at mid-line in Holds	21-3/4	Oil Tanks	38		Uppermost Continuous Deck, amidships	5 1/2	3	34	
Height of Brackets at side above base line at toe of frame			48		" " in way of Bridge, Angle, E or F			✓	
Line Keelson, on Floors, Angle, E or F	7 1/2	3	48		Spacing			24	
" " Through Plate	42-1/4	44 to	38		Second Deck, amidships, Angle, E or F			✓	
" " Foundation Plate on Floors			✓		Spacing				
" " Flat Plate Keel Angles	4	4	54		Third Deck, amidships, Angle, E or F			✓	
Keelsons, No. each side				One & Longitudinal Bulkhead	Spacing				
" thickness of Intercostal Plate	38	8	36		Fourth Deck, amidships, Angle, E or F			✓	
" Angles To Shell	3 1/2	3	38		Spacing				
" Single BA. on Floors	6	3 1/2	50		Poop Deck, Angle, E or F	6 1/2	3	44	
BOTTOM.					Spacing			24	
Floors, thickness and spacing			✓		Longitudinal Trunk	6 1/2	3	36	
" Are Frame and Reversed Frame joggled?					Bridge Deck, Angle, E or F			24	
et Floors, breadth and thickness at middle line			✓		Spacing				
" " breadth and thickness at margin plate					Forecastle Deck, Angle, E or F	5 1/2	3	30	
					Spacing			24	

PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.				INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.....		Six frame spaces apart									
" in 'tween Decks, Size and Spacing.....											
" " " " " "											
" in Holds Double Channels.		9+4+4+62									
Longitudinal " " " "											
Centre Line Bulkheads 14'6" each side of C.L.											
Stiffeners and Spacing... B.A. 24' apart		5 1/2 3 36									
Plating, thickness of Below Dk 40' 38' 36' Above Dk		.42 & .48									
STRINGERS AND DECKS.											
Uppermost Continuous Deck.											
Stringer Plate, breadth and thickness		64 x 40 5 36									
" " " " in way of Bridge		✓									
" Angle 1/4" W 1/4"		5 5 40									
Thickness of Plating abreast Deck openings in way of Wells		.40									
Thickness of Plating abreast Deck openings in way of Bridge											
Thickness of Plating within line of openings...		30 at ends									
If Sheathed, material and thickness											
Second Deck.											
Stringer Plate, breadth and thickness in Wells...		✓									
Stringer Plate, breadth and thickness in way of Bridge						Stringer Plate, breadth and thickness in way of Wells					
Thickness of Plating abreast Deck openings in way of Wells						Thickness of Plating abreast Deck openings in way of Bridge					
Thickness of Plating within line of openings...						Thickness of Plating within line of openings...					
If Sheathed, material and thickness						If Sheathed, material and thickness					
Third Deck.						Fourth Deck.					
Stringer Plate, breadth and thickness						Stringer Plate, breadth and thickness					
If Plated, state thickness						If Plated, state thickness					
Poop Deck.						Poop Deck.					
Stringer Plate, breadth and thickness						Stringer Plate, breadth and thickness					
Plating, Sheathing, material and thickness						Plating, Sheathing, material and thickness					
Longitudinal Trunk						Longitudinal Trunk					
Stringer Plate, breadth and thickness						Stringer Plate, breadth and thickness					
Plating, Sheathing, material and thickness						Plating, Sheathing, material and thickness					
Forecastle Deck.						Forecastle Deck.					
Stringer Plate, breadth and thickness						Stringer Plate, breadth and thickness					
Plating, Sheathing, material and thickness						Plating, Sheathing, material and thickness					

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	SINGLE OR DOUBLE.	RIVETS.	NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.						Diam.	Spacing cr. to cr.	
FLAT PLATE KEEL	44	.84	.52	.52		Double	1	4	Four	1	3 1/2	Lapped
" DBLG. (if any)												
BOTTOM PLATING, No. of Strakes	66	3/4 .54	.42	.42		Double	7/8	3 1/2	Three	7/8	3 1/2	"
BILGE PLATING, No. of Strakes	64 1/2	.50	.40	.40		"	7/8 3/4	3 1/2 3	"	3/4	2 5/8	"
SIDE PLATING, No. of Strakes	48	.48	.40	.40		Single	3/4	3	"	3/4	2 5/8	"
UPPER DECK, Sheer-strake in Wells	49	.48	.40	.40					"	3/4	2 5/8	"
UPPER DECK, Sheer-strake in Bridge												
STRAKE BELOW Sheer-strake in Wells												
STRAKE BELOW Sheer-strake in Bridge												
POOP SIDE PLATING			.34			Single	3/4	3	Two	5/8	2 1/4	Lapped
BRIDGE SIDE PLATING												
FORECASTLE SIDE PLATING			.34			Single	3/4	3	Two	5/8	2 1/4	Lapped

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—						
Extending to Upper Deck (Sec. 3 c)		Seven				
" Deck next below						
As per Rule		Five				
MIDSHIP BULKHEAD.	Upper tween decks	Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
"	Deep Tanks	.32	9-3-50 BA	25	None	
"	Hold Wings	.30	6-3-36 BA	3 1/2	"	
"	Oil Bunkers	38 1/2 30	6-3-30 BA	22	15" semi box beam	
"	Hold					
COLLISION		(in Hold)	40 1/2 28	6 1/2 3-38 BA	24	24" do
AFTER PEAK			48 1/2 30	6-3-34 BA	24	Lower Dk

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	Rolled	7 1/2 x 1 1/2		
STERN FRAME	Propeller Post			
	Rudder	Forging	7 1/2 x 2 1/2	Robert Kerr & Sons Ltd
RUDDER—A x D		442		
Speed of Vessel		9 knots		
RUDDER mainpiece at head	Forging	9 1/2"	Robert Kerr & Sons Ltd	
" " heel	"	7 1/2"		
" how constructed	Arms shrink & keyed to mainpiece			
" double or single plate	Single Plate			
" coupling, vertical or horizontal	Vertical			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth Process

David Colville & Sons Ltd

Has the Steel been tested as required by the Rules? Yes.

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

Sister vessel Belfast Report No 9931 I.S.S. "Punta Benitez"
Forging & Casting Reports enclosed herewith
Midship Section, Profile & Decks enclosed. Please return these plans for use in
drawing with vessels building.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	24. 0. 7. (incl. pins)	K.H.	4781.	27/7/27.
	2nd "	23. 3. 7. (incl. pins)	K.H.	4726	1/7/27
	3rd "	23. 3. 21. (incl. pins)	K.H.	4765.	27/7/27.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 66.6 ft., Longitudinal Trunk 204 ft., Forecastle 34.4 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (this information is to be given as it should appear in the Register Book) One Ok (SH) 7 BH

Official No. 160401 ; Signal Letters L. B. N. K. Is bottom of Vessel coated with cement Yes in plans if not
particulars of composition Bituminous in E & B spaces. Cement in Peaks & Ballast Tanks, Paint in Pump Room & Buoyancy
Spaces. Nothing in way of Cargo Tanks & Copperdam.

PARTICULARS OF WATER BALLAST.—

PARTICULARS OF WATER BALLAST.					
Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Ca For
Double bottom, aft,			Fore peak tank,		60
Double bottom, under Engines and Boilers,			After peak tank,	38	75
Double bottom, if under Engines only,			Deep tanks aft, P & S	40	354
Double bottom, if under Boilers only,			Deep tanks forward, P & S		286
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		
* The wells are not to be included in the lengths of the tanks.					

Order for Special Survey No.

Date

Dates of Surveys held while building

1927 Nov 2, 9, 24, 30 Dec 5, 13, 23 Jan 5, 11, 16, 19, 25, 31 Feb 3, 8, 9, 13, 14, 16, 17, 20, 22
27, 28 Mar 1, 2, 5, 6, 7, 8, 12, 23, 26, 29.

Lloyd's Register Foundation
Total No. of Visits 3