

STEEL STEAMER OR MOTORSHIP.

Received at London Office 3- MAY 1947

N/A "RIO MINHO" State if Report has been sent on the Freeboard of the Vessel No
State if Report is sent on the Machinery of the Vessel Yes

Date of completion of report _____ Port of NEWCASTLE-ON-TYNE No. 102953

Survey held at Hebburn-on-Tyne Date First Survey (1944) Feb. 29th Last Survey 12. 6. 1945

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Twin Screw TRANSPORT FERRY NO. 3018 (J. 14052) (Machinery Aft)

te Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) _____ State Type of Erections None

AGE under } 4030.73
Deck ... }
pace or spaces }
Tonnage Dk. }
pper Dk. }
nage 4157.22
nnage 2430.20

TERED DIMENSIONS.
FEET

Service
CLASS A" For Government State if with freeboard as condition of Class }
Length from fore part of stem to after part of stern } L 319.0 ✓
" OA on ~~XXXXXX~~ W.L. See Sec. 3 (1a) } 330.0 ✓
Breadth (greatest moulded) } B 54.0 ✓
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) } D 27.0 ✓
1st Longitudinal Number (L x D) =
2nd Numeral L x (B + D) =
Framing Depth "d," at middle of length. See Sec. 3 (1d)
Proportions—Depth to Length—Uppermost continuous deck to top of keel
Do. Long Bridge to top of keel }
Draught Moulded

Built at Hebburn-on-Tyne
Launched 12th June, 1945 Yard No. 680
Builders R & W. Hawthorn Leslie & Co. Ltd.,
Owners Admiralty
Managers ✓
(Where necessary to be entered in Reg. Book)
Residence
Port of Registry ✓
If surveyed while building, afloat, or in dry dock
Building, Afloat

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	LBS.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	LBS.	Any Departure from Approved Plans to be Noted.
Spacing amidships <u>Longit. Framing—See Attached Rpt. 1*</u>				Bracket Floors, Frame			
Bow to F7 (For'd)				" " Reversed Frame			
from XXXXXX to XXXXXX	24"	✓		" " Vertical Struts			
in peak <u>Aft</u> ✓	24"	✓		Centre Girder, depth and thickness amidships			
RAMING.				" " top Angles			
Amidships, Angle, <u>✓</u> or <u>✓</u>				" " bottom Angles			
Extends up to				Side Girders, No. each side and thickness			
sed Frame Amidships, Angle				Margin Plate depth (excl. of flange) and thickness			
Extends up to				" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem			
h of Framing Girder				" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area			
ies in Uppermost continuous Decks, XXXXXX <u>Aft</u> ✓	5 2 1/2	8.49	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem			
Second 'tween Decks, XXXXXX <u>For'd</u> <u>OA</u> ✓	5 3	9.93	✓	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area			
Third " " " " " "	5 2 1/2	8.49	✓	Tank Side Brackets, height above base line at toe of Frame and thickness			
from 1/2 len. for'd. to 15% len. from Stem	6 3	11.37	✓	INNER BOTTOM PLATING.			
in Peaks, XXXXXX <u>✓</u>	3 4	4 1/2	✓	Breadth and thickness of Middle Line Strake			
ter and Spacing of Rivets through Frame and Shell Plating XXXXXX <u>Peaks</u> <u>✓</u>				Thickness of remainder in Holds			
Frame Joggled	No	No		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?			
scantlings and arrangements in the ing Area in accordance with the Rules or as approved?	As approved.	✓		BEAMS.			
scantlings and arrangements in way the Bottom Forward in accordance with Rules and/or as approved?	As approved.	✓		Uppermost Continuous Deck, XXXXXX <u>Aft</u> <u>✓</u>	5 2 1/2	8.49	✓
LE BOTTOM. (Clear of Long Framing)				" " XXXXXX <u>For'd</u> <u>OA</u> <u>✓</u>	5 3	8.13	✓
ors, Depth and thickness at mid-line <u>For'd</u> <u>✓</u>	36" x 10lbs.	✓		" " XXXXXX <u>For'd</u> <u>OA</u> <u>✓</u>	7 3	13.6	✓
XXXXXX <u>For'd</u> <u>✓</u>	30" x 10	✓		Spacing	OA4	3 6.83	✓
Height of Brackets at side above base line at toe of frame				Second Deck, XXXXXX <u>Aft</u> <u>✓</u>	5 2 1/2	8.49	✓
iddle Line Keelson, on Floors, Angles, <u>✓</u> or <u>✓</u>				" " XXXXXX <u>For'd</u> <u>OA</u> <u>✓</u>	5 3	8.60	✓
" " " XXXXXX <u>Aft</u> <u>✓</u>	33" (FL 2 1/2) x 12	✓		Spacing	24	✓	
" " " XXXXXX <u>For'd</u> <u>OA</u> <u>✓</u>				Third Deck, XXXXXX <u>Aft</u> <u>✓</u>	5 2 1/2	8.49	✓
" " " XXXXXX <u>For'd</u> <u>OA</u> <u>✓</u>				" " XXXXXX <u>For'd</u> <u>OA</u> <u>✓</u>	9 3 1/2	19.38	✓
" " " XXXXXX <u>For'd</u> <u>OA</u> <u>✓</u>				Spacing	OA5	3 8.85	✓
" " " XXXXXX <u>For'd</u> <u>OA</u> <u>✓</u>				Fourth Deck, amidships, Angle, <u>✓</u> or <u>✓</u>	24	✓	
de Keelsons, XXXXXX in ER & BR Form Seatings				Spacing			
" " thickness of Intercoastal Plate				Poop Deck, Angle, <u>✓</u> or <u>✓</u>			
" " Angles				Spacing			
DOUBLE BOTTOM.				Bridge Deck, Angle, <u>✓</u> or <u>✓</u>			
Solid Floors, thickness and spacing				Spacing			
" " Are Frame and Reversed Frame joggled?				Forecastle Deck, Angle, <u>✓</u> or <u>✓</u>			
Bracket Floors, breadth and thickness at middle line				Spacing			
" " breadth and thickness at margin plate							

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.	
		LBS.				Ins. Ins. Ins.				
PILLARS, No. of Rows		2 Longt. Bhdgs. ✓		IPIS 15 From CL ✓		Stringer Plate, 55x10 and thickness 10x10 ✓			Aft ✓	
Long. Stiffs Amids. (Hold)		1 " Wash " ✓		On CL ✓		Thickness of Plating abreast Deck openings in way of Bridge. ✓			Hold ✓	
in 'tween Decks, Size and Spacing		7 3 13.5 28.5 ✓		12 15 27 ✓		Thickness of Plating abreast Deck openings in way of Bridge. ✓			7 1/2 ✓	
2nd Tween Dks. (Hold)		5 3 9.45 24 ✓		10 15 24 ✓		Thickness of Plating abreast Deck openings in way of Bridge. ✓			10x7 1/2 ✓	
UPPER " OA ✓		5 3 7.85 24 ✓		10 15 24 ✓		Thickness of Plating 10x10 ✓			Aft ✓	
FORD IN BOTH TWEEN DECKS (FCL-51) ✓		8 3 15.93 24 ✓		15 12 10 ✓		If Sheathed, material and thickness. ✓			None ✓	
AFT " 9'-2" OFF CL ✓		6 3 12.15 24 ✓		15 12 10 ✓		Third Deck.			63 ✓ 10 ✓	
						Stringer Plate, breadth and thickness. ✓			10 & 15 ✓	
Centre Line Bulkhead. (WASH PLATE) ✓		OA ✓		4 2 1/2 5.51 24 ✓		If Plated, state thickness. ✓				
Stiffeners and Spacing		IM. TANKS ✓		6 3 11.37 24 ✓		Fourth Deck.				
		FW. TANK AFT ✓		8 3 17.20 24 ✓		Stringer Plate, breadth and thickness. ✓				
Plating, thickness of		ER ✓		8 3 14.60 24 ✓		If Plated, state thickness. ✓				
STRINGERS AND DECKS.						Poop Deck.				
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness. ✓				
Stringer Plate, breadth and thickness		54 x 15 to 12 ✓				Plating, Sheathing, material and thickness. ✓				
" " " " in way of Bridge		-				Bridge Deck.				
" Angle 16x16 ✓		4 4 12.75 ✓				Stringer Plate, breadth and thickness. ✓				
Thickness of Plating abreast Deck openings		12 ✓				Plating, Sheathing, material and thickness. ✓				
Thickness of Plating abreast Deck openings in way of Bridge		-				Forecastle Deck.				
Thickness of Plating within line of openings		12 ✓				Stringer Plate, breadth and thickness. ✓				
If Sheathed, material and thickness		None ✓				Plating, Sheathing, material and thickness. ✓				
Second Deck.		(Amids.)		16 7/8 x 10 ✓						
Stringer Plate, breadth and thickness		9 x 10 ✓								

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled? No ✓	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAP LAY.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
Flat Plate Keel	72	20	40	15		Double ✓	3/4	3				
" Dblg. (if any)	NONE ✓					-						
Bottom Plating, No. of Strakes	4 P&S	15	40	15		Double ✓	3/4	3				
Bilge Plating, No. of Strakes	1 P&S	15	15	15		Butt Welded ✓						
Side Plating, No. of Strakes	3 P&S	14	12	12		Double ✓	3/4	3				
Upper Deck, Sheer-strake in Wells	K 51	20	12	12		Single ✓	3/4	3				
Upper Deck, Sheer-strake in Bridge						-						
Strake below Sheer-strake in Wells	J	14	10	10		Double ✓	3/4	3				
Strake below Sheer-strake in Bridge												
Poop Side Plating												
Bridge Side Plating												
Forecastle Side Plating												

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 3BH (16 Wdk, 2 to 2nd dk)

Extending to Upper Deck (Sec. 3 c) 1 & 2 to 2nd deck ✓

" Deck next below 8

As per Rule 5

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	7	OA 3x2 1/2 x 5	28 1/2	see plan	
" " Second "	8	OA 5x3x8	28 1/2		
" " Third "					
" " Holds	12x10	6x3x15.6	24 1/2	6x3x15.6	28
" " (in Hold)	7	10x5	6x3x10.1	34 1/2	20 to 24 1/2
COLLISION		59	10x12.5	8x3x16.59	34 1/2
AFTER PEAK					

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any from Plans
KEEL, Bar		40 lbs	see letter	
STEM			30 7	Brack
STERN FRAME	Propeller Post	PLATES WELDED		FABRICATE BY TURNBULL & CO. NEWCASTLE
	Rudder	"		ATTACHED
Speed of Vessel				
RUDDER—Type		TWIN		
" A x D				
" Diam. of head		FORGING 7"		FABRICATE BY TURNBULL & CO. NEWCASTLE
" Mainpiece at top pintle				NOTE ATTACHED
" " heel				
" how constructed		WELDED		
" double or single plate coupling, vertical or horizontal		DOUBLE 13.6		
		VERT 6-24" BOLTS		

STEEL.

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

Appleby Frodingham Steel Co. Ltd., Consett Iron Co. Ltd., South Durham S & I. Co. Ltd., Do

Long & Co. Ltd., Cargo Fleet I. Co. Ltd., Skinningrove I. Co. Ltd., Steel Co. of Scotland, E

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

HAWSERS AND WARPS.

Builder's Signature.

Signature _____

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.)

A number of sister vessels are being constructed at various yards throughout the country. Sister vessel Transport Ferry 3017 (Yard No. 679) has recently been completed by North Eastern Marine Eng. Co., Hendon Dock, Sunderland, where also the sister vessel No. 3016 (Yard No. 678) is now being completed.

Copies of approved plans (as per attached list) are enclosed, other plans were forwarded with Newcastle Report No. 102588 on sister vessel Transport Ferry 3017.

Reports for rudder heads, scarp pieces, rudder arms, deck and shell lip castings (for hawse pipes), stern tubes and barrels for propeller brackets are enclosed, also advice notes covering rudders and rudder posts.

This vessel is fitted with zinc corrosion pieces and bronze propellers.

After launching, this vessel was towed to the North Eastern Marine Eng. Co. Ltd. Hendon Dock, Sunderland for installing of machinery, fitting machinery casings, fitting out & completion. After cessation of hostilities (May 1945) the contract was cancelled before the work was carried out.

PARTICULARS OF ELECTRIC WELDING (if employed) Rudders and sternframes, butts of deck and shell plating, seams of chine strake, seams joining skegs to shell and minor items electrically welded. Electric welding carried out using electrodes approved for the purpose and in accordance with the "Rules for the application of electric arc welding to ship construction".

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. "Longitudinal framing", Rudders & Sternframes & butts of decks and shell plating electrically welded "Machinery Aft" "Twin Screw" pt. Asp. Butts of shell & dk plating etc. welded

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials,
Number of Certificate, Date
of Test.

1st Bower

2nd "

3rd "

Admiralty

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop - ft., R.Q.D. - ft., Bridge - ft., Forecastle - ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No.

Signal Letters

Extreme Breadth over Deck 55' 3"

(Circ. 1611)

Over-all Length 348' 9"

(Circ. 1703)

No. and Material of Decks 2 Steel and 2nd Deck at sides.

Parts of Bottom of Vessel coated with cement or approved composition Bottom of peaks - cement. Petrol compartment, water ball tanks and peaks, bitumastic enamel. F.W. tank "Bituros" (Wailles Dove & Co. Ltd.).

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak xxx (W.T. Compartment)	14 ✓	Dry ✓
Double bottom, under Engines and Boilers,			After peak xxxx (-do-)	30 ✓	108 ✓
Double bottom, if under Engines only,			xxxxxxxxxx W.T. Compt. 7 - 11		176
Double bottom, if under Boilers only,			xxxxxxxxxx Ballast Compt. 11-17.	-	307 2 DTs
Double bottom, forward,			xxxxxxxxxx Ballast, or Oil fuel 17-28	-	1490
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.) F.W. tank fd. 36' 30" 214 T See letter 4. 4. 44		1797

Order for Special Survey No. 5720

Date 27.3.44.

Dates of Surveys held while building

(1944) Feb. 29, Mar. 17, 24, 31, Apr. 6, 13, 21, June 14, 15, 16, 26, July 13, 19, Aug. 16, 29, Sept. 14, 28, Oct. 4, 12, 19, 20, 26, Nov. 7, 17, Dec. 1, 4, 18, 29, (1945) Jan. 2, 5, 11, 16, 18, 23, Feb. 1, 6, 7, 8, 9, 14, 15, 16, 19, 21, 28, Mar. 6, 12, 13, 15, 16, 19, 23, 27, Apr. 3, 5, 12, 13, 16, 20, 23, 24, 26, 28, May 1, 2, 3, 4, 7, 10, 11, 14, 16, 17, 18, 24, 25, 28, 30, 31. June 1, 2, 4, 5, 7, 8, 9, 11, 12,

Total No. of Visits

Lloyd's Register Foundation

DUPLICATE

NEWCASTLE REPORT NO.102588.

TRANSPORT FERRY No.3018 (J.14052)

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
	Ins.	Ins.	Lbs.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.	Number.		Diameter.	
Bridge 'tween Decks ...																	
Uppermost Continuous No. 1																	
" 2																	
" 3	5	3	9.43	✓	Do.	✓	As approved	✓	Do.	✓		3/4	5 1/4	Do.	✓	4	5/8.
" 4																	
" 5																	
" 6																	
" 7	7	3	13.6	✓	Do.	✓	As approved.	✓	Do.	✓							
" 8																	
" 9																	
" 10																	
" 11												3/4	4 1/2	DO	✓	7	3/4
" 12																	
" 13	7	3	13.6	✓	Do.	✓	As approved	✓	Do.	✓							
" 14																	
" 15																	
" 16																	
To 19																	
Amidships	20"to28"			✓	Do.	✓	As approved	✓	Do.	✓							
At Ends																	
Pank Top Longitudinals																	
Bottom																	
Longitudinals																	
Amidships																	
At Ends...																	
Transverses.			LBS														
Depth and Thickness	12/15	x	10	✓													
Face Angles	FLANGED	4"		✓													
Lugs to Shell*	3	3	4.89	✓									3/4	3.7/8	✓		
Depth and Thickness	15	x	10	✓													
Face Angles	FLANGED	4"		✓													
Lugs to Shell* AS ABOVE	3	3	4.89	✓	DO	FORD	✓						3/4	3 1/2	✓		
Depth and Thickness	24	x	10	✓	DO	INTERMEDIATE FLOORS	✓										
Face Angles	4	2 1/2	7.81	✓	DO	30" x 10" WINGS 4" FL	✓										
Lugs to Shell* AS ABOVE	3	3	4.89	✓	DO	CEN OA 4 x 2 1/2 x 7.81	✓										
" " FLOORS TO SHELL	5	3	8.36	✓	DO	3 1/2 x 3 x 10.2	✓						3/4	3 3/4	✓		
" " Back Bars	NONE			✓	DO	NONE	✓										
Brackets	42 x 36 x 10			✓													
Transverse Frames	8 FEET			✓													
Bridge Deck																	
Upper	6	3	11.37	✓													
Second	5	3	8.17	✓	DO												
Third	6	3	11.37	✓													

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.