

STEEL STEAMER or MOTORSHIP.

Received at London Office 24 JUN 1942

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

LIVERPOOL.

No.

117946.

Survey held at

Northwich

Date First Survey

Nov 27th/40.

Last Survey

May 14th

1942.

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

Steel Single Screw Motor Lighter "R.N. Air 2A" machinery fitted aft.

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

Full scantling (Restricted Services)

State Type of Erections

Poop + Forecastle.

TONNAGE under Tonnage Deck

182.87.

CLASS +100A - for Coasting Services.

State if with freeboard as condition of Class

Built at

Northwich

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 121.68

Breadth (greatest moulded)

B 24.0

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

D 9.0

1st Longitudinal Number (L x D)

= 1095

2nd Numeral L x (B + D)

= 4016

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

8.33

Proportions—Depth to Length—Uppermost continuous deck to top of keel Do. Long Bridge to top of keel

13.52

Draught Moulded

8' 7 3/4"

Launched Dec. 13th 1941. Yard No. 668

Builders W.J. Yarnwood & Sons (1938) Ltd. Northwich

Owners

Admiralty

Managers

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

Residence

Port of Registry

If surveyed while building, afloat, or in dry dock

while building.

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.
FRAMES, Spacing amidships	21		Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead	do		" " Reversed Frame		
" " in peaks	21		" " Vertical Struts		
FRAME FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, 1 1/2	4 2 1/2 .30		" " top Angles		
" " Extends up to	upper Deck		" " bottom Angles		
Reversed Frame Amidships, Angle	2 1/2 x 2 1/2 x .28		Side Girders, No. each side and thickness		
" " Extends up to			Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder			" " Vertical Angle to Tank side		
Frames in Uppermost Continuous Tween	3 2 1/2 .25		Bracket abaft 1/2 len. from stem		
" " Second Tween Decks, Angle	3 1/2 2 1/2 .25		" " Vertical Angle to Tank side		
" " Third			Bracket from forward 1/2 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from Stem	4 2 1/2 .30		Gussets, spacing and scantling abaft 1/2 len. from stem		
" " in Peaks, Angle	4 2 1/2 .30		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 4 1/2		Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled	no		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	as approved		Breadth and thickness of Middle Line Strake		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	as approved		Thickness of remainder in Holds		
SINGLE BOTTOM.			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?	as approved	
Floors, Depth and thickness at mid-line in Holds	14 .28		BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships	4 2 1/2 .36	
Middle Line Keelson, on Floors, Angle	8 3 .5		" " in Wells, Angle, 1 1/2		
" " Through Plate	17 .30-.36		" " in way of Bridge, Angle, 1 1/2		
" " Foundation Plate on Floors			" " or 1 1/2		
" " Flat Plate Keel Angles	3 2 1/2 5/16		Spacing	all	21
Side Keelsons, No. each side (amidships)	one		Second Deck, amidships, Angle, 1 1/2 or 1 1/2		
" " thickness of Intercoastal Plate	25		Spacing		
" " Angles	4 x 3 x .28 top		Third Deck, amidships, Angle, 1 1/2 or 1 1/2		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	2 1/2 x 1 1/2 x 1/4 shell edge		Fourth Deck, amidships, Angle, 1 1/2 or 1 1/2		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Poop Deck, Angle, 1 1/2	4 2 1/2 .36	
" " breadth and thickness at margin plate			Spacing	19 1/2 21	
			Bridge Deck, Angle, 1 1/2 or 1 1/2		
			Spacing		
			Forecastle Deck, Angle, 1 1/2 or 1 1/2	4 2 1/2 .36	
			Spacing	21	

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.....			Stringer Plate, breadth and thickness in way of Bridge		
„ in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells		
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge		
„ in Holds „ „			Thickness of Plating within line of openings...		
„ „ „ „ „			If Sheathed, material and thickness		
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....		
Plating, thickness of			If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells 55 x 3/8			If Plated, state thickness		
„ „ „ „ in way of Bridge BREAK 50			Poop Deck.		
„ Angle in Wells 3 x 3-30			Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Wells			Plating, Sheathing, material and thickness		
Thickness of Plating abreast Deck openings in way of Bridge			Bridge Deck.		
Thickness of Plating within line of openings...			Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness			Plating, Sheathing, material and thickness		
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...			Stringer Plate, breadth 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.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	35	39	35	35	✓	double	3/4	2 1/2	three to } two }	3/4	2 5/8	lapped	
" DBLG. (if any)													
BOTTOM PLATING, No. } of Strakes 2	51	29	32	25	✓	single	5/8	2 1/2	double	5/8	2 1/4	lapped	
BILGE PLATING, No. of } Strakes one	49	29	25	28	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of } Strakes one	45	29	28	25	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer- } strake in Wells	54	34	30	30	✓	"	"	"	"	3/4	2 5/8	"	
UPPER DECK, Sheer- } strake in Bridge ...	43 at break				✓								
STRAKE BELOW Sheer- } strake in Wells	/												
STRAKE BELOW Sheer- } strake in Bridge ...													
POOP SIDE PLATING	57			1/4	✓	single	5/8	2 1/2	single	5/8	2 1/4	lapped	
BRIDGE SIDE PLATING ...													
FORE'C'TLE SIDE PLATING	54			1/4	✓	single	5/8	2 1/2	single	5/8	2 1/4	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	3 BH for record in R.B.
Extending to Upper Deck (Sec. 3 c)	4
„ Deck next below	-
As per Rule	3.

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓	✓		
STEM	✓	6 1/8	J.S. FOSTER & SONS	LO.
STERN FRAME	F/I	5/2 x 3/4	SUNDERLAND	
Propeller Post				
Rudder	✓	✓		
Speed of Vessel	9 1/2 knots			
RUDDER —Type: SEMI BAL	F/S		D°	
" A x D				
" Diam. of head	4			
" Mainpiece at top pintle	4 1/2			
" " heel ...	3			
" how constructed	FORGED STEEL SHOCK			
" double or single plate	DOUBLE			
" coupling, vertical or horizontal				

		Plating Thickness.	STIFFENERS.				
			VERTICAL.		HORIZONTAL.		
			Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper tween decks							
"	"	Second	"				
"	"	Third	"				
"	"	Holds	32'-26"	L 6x3x38	28	✓	✓
COLLISION	"	(in Hold)	32'-30"	L 6x3x38	22	✓	✓
AFTER PEAK	"	"	37'-30"	L 5x3x38	24	✓	✓

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open hearth*
Lanarkshire steel Co. Ltd.
Appledy - Frodingham steel Co. Ltd.
Has the Steel been tested as required by the Rules? *yes*

EQUIPMENT No										LETTER		ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
54167	1st Bower ...	7	1	21	—	—	—	9	13	3	0	7 1/4	Stockless	—	CRADLEY HEATH 4 th JUNE 1941
54168	2nd „ ...	7	1	7	—	—	—	9	11	2	7	7 1/4	Stockless	—	S. C. PAUL
	3rd „ ...														CRADLEY HEATH 4 th JUNE 1941
	Collective weight.	14	3	—								14 cwt 2 qrs			
54226	Stream	2	1	8	2	14	4	17	2	0	0	2 1/4	Stock (2nd)	—	CRADLEY HEATH 10 th JUNE 1941
															S. C. PAUL

CHAIN CABLES.										HAWSERS AND WARPS.								
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Stain- ing.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.
63815	165 1/3	7/8	13.75	20.6	68.	3.	0.	64 1/4	165	7/8	stnd Link	J.B. Home & Son	Cradley Heath 14 Aug. '41. S.C. Paul.	TOWLINE	60	5 1/2	75	
														HAWSERS & WARPS	60	4	90	
															60	2 1/2		
		Cir.								Cir.					14	1 1/2		
Iron Stream Chain or Steel Wire	45	2 1/2							45	2 1/2	wire.							

Steering Gear, Type (Power or hand) Electric Hydraulic Hyland Alternative Means of Steering Hand Tiller.

Steering Chains (Size and Test) none (telerator) Windlass Combined Electric & hand. Boats 2 in No 16 feet.

Ceiling in Holds, thickness and material 2 1/2" fir laid F & A. Cargo Battens, thickness, material and spacing 6 x 1 1/2" fir about 1'-6" cr. 6' cr.

Cargo Hatchways.—(Upper Deck) one. (single hold) Thickness of Hatches 2 1/2."

Size of Hatchways No. 1 (Fwd.) 31'-6" x 8'-0" No. 2 No. 3 No. 4 No. 5 No. 6

Number of Shifting Beams 5 in No 10' x 32 web, 3' x 3' x 38" top angles, 1 x 1" convex at bottom

Builder's Signature YARWOOD & SONS (1938) LTD. Managing Director

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel ✓

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo no The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built in accordance with the approved plans and instructions as per secretary's letter.

The quality of material and workmanship are good.

The fore peak, ballast, fresh water and fuel tanks and the weather decks, casings, bulkheads and sidelights have been tested in accordance with rules requirements and found satisfactory.

The windlass steering gear and pump have been tested and found satisfactory.

The amount of Entry Fee ... £ 22 JUN 1942

Special Survey Fee ... £ 50

Travelling Expenses, if any £ 6 : 9 : 4

Fees applied for, 22 JUN 1942

Received by me,

(Special notations, where part of class, to be stated.) +100A1

I am of opinion the Vessel should be Classed +100A - for Coasting Services.

State whether the Vessel has been built under Special Survey yes

Signature W. Baylan.

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Liverpool Date of issue 13/7/42

Committee's Minute LIVERPOOL 23 JUN 1942

Character assigned +100A1

For Coasting Services.

+LMC. 5.42 O.G.

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.)

The following approved drawings have been forwarded with the sister vessel R.N. Air 3A.
Midship Section.
Scantling plan, embodying profile, decks and bulkheads.
Shell Expansion.
Sternframe and Rudder.
Engine Seatings.
General Arrangement.
The forging certificates for sternframe and rudder are returned herewith.

PARTICULARS OF ELECTRIC WELDING (if employed)

Minor fittings only welded.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

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

1st Bower
2nd "
3rd "

4.2.17. J.D. 54167. 16th Oct. 1940.
4.2.0. J.D. 54168. 21st Oct 1940

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 56 ft., B.Q.D. ft., Bridge ft., Forecastle 24.5 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 Belting (Circ. 1011)

Over-all Length (Circ. 1703)

No. and Material of Decks

One steel

Parts of Bottom of Vessel coated with cement or approved composition

Hold to upper turn girder, peaks and ballast tanks and fresh water tanks treated with one coat of bituminous enamel or one coat of bituminous solution.

Particulars of composition (if fitted) and of approval

all Admiralty approved composition.

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 tank,	12'-11 1/2"	21
Double bottom, under Engines and Boilers,			After peak tank,	12'-3 1/2"	15
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted, Res. Ballast tank aft of F.P.T.	7'-0"	29.5
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

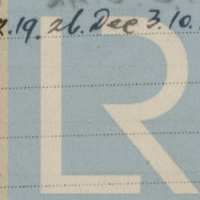
Order for Special Survey No. 1336

Date

11/12/40.

Dates of Surveys held while building

Nov 27. Jan 2. 8. 28. Feb 5. 12. 19. 21. Mar 5. 13. 19. 24. Apr 3. 9. 17. 23. 30. May 7. 14. 21. 28. June 11. 18. 25. July 1. 9. 16. 23. 30. What
Aug 13. 20. 27. Sept 3. 11. 17. 24. Oct 1. 8. 15. 22. 29. Nov 6. 12. 19. 26. Dec 3. 10. 13. 17. 23. Jan 2. 9. 14. 29. Feb 4. 11. 18. 25. cave
Mar 5. 13. 19. 25. 31. Apr 8. 16. 22. 29. May 6. 14.



Lloyd's Register Foundation
Total No. of Visits 69