

STEEL STEAMER OR MOTORSHIP.

Received at London Office 24 SEP 1942

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 2.1.1942

Port of NEWCASTLE-ON-TYNE

No. 100.727

Survey held at Walker-on-Tyne

Date First Survey 5. 9. 41

Last Survey 9. 9. 1942

On the (State if Machinery fitted with or without Tonnage Openings) Single Screw Tanker "EMPIRE REYNOLDS"

Machinery aft

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

State Type of Erections Poop, Bridge & Forecastle

TONNAGE under Tonnage Deck ... 7203.86

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

Total

Gross Tonnage 8127.81

Register Tonnage 4634.48

REGISTERED DIMENSIONS.

FEET

Length 465.9

Breadth 59.4

Depth 33.8

CLASS 100 A.1 Carrying Petroleum in bulk

State if with freeboard as condition of Class *No.*

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 460.0

Breadth (greatest moulded) B 59.0

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 34.0

1st Longitudinal Number (L x D) 15640

2nd Numeral L x (B + D) 42780

Framing Depth "d," at middle of length. See Sec. 3 (1d) *✓*Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.52 *✓*Do. Long Bridge to top of keel *✓*

Draught Moulded 27' 4 1/2"

Built at Walker-on-Tyne

A/MS. 299

Launched 16th July 1942

Yard No. 1712

Builders Swan, Hunter, Wigham, Richardson & Co.

Owners Ministry of War Transport

Managers H. E. Moss & Co.

(Where necessary to be entered in Reg. Book)

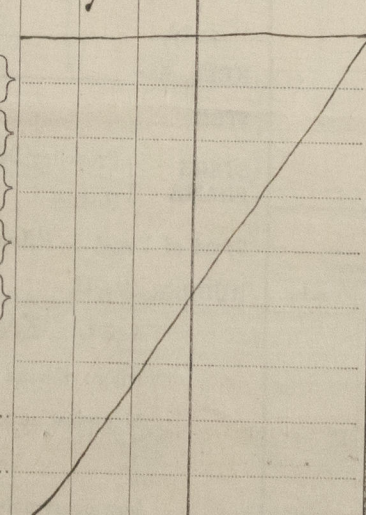
Residence

Port of Registry Newcastle

If surveyed while building, afloat, or 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.
FRAMES, Spacing amidships.....	32 <i>✓</i>		Bracket Floors, Frame	A.A. 8 3 1/2 7/16 <i>✓</i>	
" " from 1/2 length amidships to Collision bulkhead.....	27 <i>✓</i>		" " Reversed Frame.....	A.A. 6 3 1/2 7/16 <i>✓</i>	
" " in peaks	24 <i>✓</i>		" " Vertical Struts	A.A. 6 6 1/2 <i>✓</i>	
SIDE FRAMING.			Centre Girder, depth and thickness <i>In E & B space</i>	<i>In E & B space</i> IN E.R. 72x.46 <i>✓</i>	
Frame Amidships, Angle, E or C	10 3 1/2 .50 <i>✓</i>		" " top Angles	Double 6 3 1/2 .50 <i>✓</i>	
" " Extends up to.....	Upper Deck <i>✓</i>		" " bottom Angles.....	6 6 .50 <i>✓</i>	
Reversed Frame Amidships, Angle	<i>✓</i>		Side Girders, No. each side and thickness.....	IN E.R. 2-1.52 <i>✓</i>	
" " Extends up to	<i>✓</i>		" " B.R. 1-1.52 <i>✓</i>		
Depth of Framing Girder.....	10 <i>✓</i>		Margin Plate depth (excl. of flange) and thickness	38x.60 <i>✓</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, C or E	<i>✓</i>		" " Vertical Angle to Tank side Bracket <i>1/2</i> len. from <i>1/2</i> len. from	4 4 9/16 <i>✓</i>	
" " Second 'tween Decks, Angle, C or E	<i>✓</i>		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	<i>✓</i>	
" " Third <i>For C.D. to Coll. Bhd.</i> <i>IN LOWER UPPER TWEEN DECK</i> <i>TO O.T. FLAT 10x3 1/2 x 7/16 B.A.</i> <i>8x3 1/2 x 7/16 B.A.</i>	<i>✓</i>		" " Gussets, spacing and scantling <i>1/2</i> len. from stem	.52 Cont. <i>✓</i>	
" " from 1/2 len. for'd. to 15% len. from Stem	<i>✓</i>		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	<i>✓</i>	
" " in Peaks, Angle or C	9 3 1/2 3/8 <i>✓</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	7 1/2 x .54 <i>✓</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8-5/4 in Bottom Longits. 7/8-4/8 Frames to shell <i>✓</i>		INNER BOTTOM PLATING. IN E & B. SPACE ONLY		
State if Frame Joggled.....	<i>yes</i> <i>✓</i>		Breadth and thickness of Middle Line Strake.....	78x.58 <i>✓</i>	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>yes</i> <i>✓</i>		Thickness of remainder in Holds	1.60 UNDER E.B.D. <i>✓</i>	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>yes</i> <i>✓</i>		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Boiler and Boiler Room?	<i>yes</i> <i>✓</i>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds.....			Uppermost Continuous Deck, amidships in Wells, Angle, C or E	<i>See Longit. Framing Rpt 1</i>	
Height of Brackets at side above base line at toe of frame.....			" " in way of Bridge, Angle, C or E	<i>✓</i>	
Middle Line Keelson, on Floors, Angles, C or E			Spacing	<i>✓</i>	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, C or E	<i>✓</i>	
" " Foundation Plate on Floors			Spacing	<i>✓</i>	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, C or E	<i>✓</i>	
Side Keelsons, No. each side.....			Spacing	<i>✓</i>	
" " thickness of Intercoastal Plate.....			Fourth Deck, amidships, Angle, E or C	<i>✓</i>	
" " Angles			Spacing	<i>✓</i>	
DOUBLE BOTTOM. IN E & B. space only			Poop Deck, Angle, E or C	8 3 1/2 7/16 <i>✓</i>	
Solid Floors, thickness and spacing52 every frame <i>✓</i>		Spacing	every frame	
" " Are Frame and Reversed Frame joggled?	<i>yes</i> <i>✓</i>		Bridge Deck, Angle, E or C	8 3 1/2 7/16 <i>✓</i>	
Bracket Floors, breadth and thickness at middle line	36x.52 <i>✓</i>		Spacing	32 <i>✓</i>	
" " breadth and thickness at margin plate	36x.52 <i>✓</i>		Forecastle Deck, Angle, E or C	8 3 1/2 7/16 <i>✓</i>	
			Spacing	27 & 24 <i>✓</i>	

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The Surveyors are requested not to write on or below the Committee's Minutes.

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PARTICULARS OF LONGITUDINAL FRAMING.

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Plans to
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FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.		RIVETS IN BRACKETS TO BULKHEADS.		
	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.	Number.	Diameter. Inches.
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.				
ing of <u>L, L or E</u>																	
ss in Bridge 'tween Decks ...	<u>Side Shell Stringers</u>																
ss from Uppermost Continuous Deck No. 1	Upper stringer plate 28" x 42"																
" 2	with 5" flange on face																
" 3	Lower stringer plate 32" x 44"																
" 4	with 5" flange on face.																
" 5																	
" 6	<u>Longitudinal bulkhead stringers.</u>																
" 7	Upper stringer plate 28" x 42"																
" 8	with 5" flange on face.																
" 9	Lower stringer plate 32" x 44"																
" 10	with 5" flange on face.																
" 11																	
" 12	Channels			Channels													
" 13	Side Tanks			Centre Tanks													
" 14	17" x 4" x 4" 5/16"			17" x 4" x 4" 5/16"			7/8"		5/16"		7/8" - 3/8"		18		7/8"		
" 15																	
" 16																	
ing of idinal es	Amidships			33" Centre Tanks													
	At Ends			30" Side "													
Tank Top Longitudinals	Struts in each wing tank at upper r																
Bottom	lower stringer in line with deep																
of Longitudinals	Transverses.																
	10" x 3 1/2" x 3 1/2" 40/56 channel																
	12" x 3 1/2" x 3 1/2" 40/50 channel																
Transverses.																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell																	
Back Bars																	
Brackets																	
of Transverse Frames																	
State if joggled or liners.																	
Bridge Deck	9" 3 1/2" 3/8"																
Upper																	
Second																	
Third																	

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.

0110 3/

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.)

This vessel is similar to "EMPIRE FLINT" Newcastle report no 99774 + sister to "NORFJELL" Newcastle report no 100282, and "EMPIRE GARRICK" Newcastle report no 100587.

This vessel being sister to "EMPIRE GARRICK" S.H. No 1710 the approved plans are in the Wokingham office.

Larging Rpt. received. See letter 5/10/42.

PARTICULARS OF ELECTRIC WELDING (if employed) *Bilge keel shell connection and minor details of the structure E. Welded.*

Electrodes used and methods employed are in accordance with the Rules

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book *Cruiser stem; machinery aft; longitudinal framing bottom & at deck; clamps R & CP. D.F.*

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

1st Bower *WE 44-1-5; Init. J.T.; No. of Cert. 3830; Date 11/3/41.*
2nd " *" 44-3-2; " J.T.; " " 3596; " 30/11/40.*
3rd " *"*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *109.87* ft., R.Q.D. *✓* ft., Bridge *46.5* ft., Forecastle *39.6* 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 59.4.* Over-all Length *483.08.*
(Circ. 1611) (Circ. 1703)

No. and Material of Decks *10th Stl. 2nd 10th clear of cargo tanks.*

Parts of Bottom of Vessel coated with cement or approved composition *Bottom of fore after peak tanks and Engine room after well cemented.*

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 tank,	<i>24.3</i>	<i>15.6</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>16.0</i>	<i>8.7</i>
Double bottom, if under Engines only, <i>Feed Water</i>	<i>52.5</i>	<i>124 F.W.</i>	Deep tank, aft,		
Double bottom, if under Boilers only,	<i>36.0</i>	<i>16.2</i>	Deep tank, forward,	<i>35.58</i>	<i>6.28</i>
Double bottom, forward, <i>+ Cofferdam</i>	<i>2.5</i>		Other tanks, if fitted <i>aft cofferdam</i>	<i>3.0</i>	<i>1.68</i>
Total length (if continuous) and Capacity <i>see plan</i>	<i>91.0</i>			<i>3.0</i>	<i>1.59</i>

Order for Special Survey No. *5633*

25.9.41.

Dates of Surveys held while building

1941. Sept. 5. 10. Nov. 26. Dec. 1. 5. 9. 18. 30. 1942. Jan. 9. 20. Feb. 12. 27. Mar. 3. 9. 17. 25. Apr. 8. 9. 10. 15. 30. May. 6. 8. 12. 14. 20. 21. 28. 30. June. 1. 2. 3. 8. 9. 10. 11. 16. 17. 18. 19. 21. 22. 23. 24. 25. 26. 28. 29. 30. July. 1. 2. 3. 13. 15. 16. 21. 23. 27. 28. 31. Aug. 4. 5. 7. 11. 12. 18. 26. 27. 28. 31. Sept. 1. 2. 4. 7. 9.

Total No. of Visits *47*

Lloyd's Register Foundation