

Rpt. 1
RECEIVED

16 MAR 1944

IN D.O.

GLASGOW REPORT No. 68202

14 APR 1944

STEEL STEAMER OR MOTORSHIP.

Received at London Office

16 MAR 1944

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

4th March 1944

Port of

Belfast & Glasgow

No.

13626

Survey held at

Belfast & Glasgow

Date First Survey

1st December 1942

Last Survey

2nd March 1944

1944

On the

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

NORRISIA Single Screw Motor Yanker Machinery aft

State Type

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

Full Scantling

State Type of Erections

Pipes, Br. Yele

TONNAGE under Tonnage Deck ...

7232.77

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

7232.77

Gross Tonnage

8245.97

Register Tonnage

4767.83

REGISTERED DIMENSIONS.

FEET

Length

456.6

Breadth

59.5

Depth

33.85

CLASS

H/OOA-1. banying

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)

FEET

460

Breadth (greatest moulded)

B 59

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

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 1/4

Built at

Belfast (completed at Glasgow)

Launched

14th Oct 1943

Yard No. 1194

Builders

Harland and Wolff Ltd

Owners

Anglo-Saxon Petroleum Co Ltd

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry

London

If surveyed while building, afloat, or in dry dock

building and afloat as in Dry Dock.

FRAMES, DOUBLE BOTTOM AND BEAMS.

Longth FRAMING AS PER PAGE 5.

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

3 1/2

for 8 cargo tanks

from 1/2 length amidships to Collision bulkhead

27

in peaks

24

SIDE FRAMING.

Frame Amidships, Angle, E or F

10 3 1/2 7/16

forward

11 3 1/2 7/16

Extends up to

upper deck

Reversed Frame Amidships, Angle

✓

Extends up to

✓

Depth of Framing Girder

10", 11"

Frames in Uppermost Continuous 'tween Decks, Angle, E or F

✓

Second 'tween Decks, Angle, E or F

✓

Third

for 8 cargo tanks to coll bulk

from 1/2 len for'd to 15% len. from Stem

10 3 1/2 1 1/4 BA

in Peaks, Angle, E or F

9 3 1/2 7/16 BA

Diameter and Spacing of Rivets through Frame and Shell Plating amidships

8 3 1/2 7/16 BA

7/8 0 4 7/8

State if Frame Joggled

yes

Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?

as app?

Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?

as app?

SINGLE BOTTOM.

Floors, Depth and thickness at mid-line in Holds

Height of Brackets at side above base line at toe of frame

Middle Line Keelson, on Floors, Angles, E or F

See

Through Plate or Inter-costal Plate

Foundation Plate on Floors

Long Framing

Flat Plate Keel Angles

Plan

Side Keelsons, No. each side

thickness of Intercoastal Plate

Angles

DOUBLE BOTTOM. in motor space

Solid Floors, thickness and spacing

46 3 1/4 30% ✓

Are Frame and Reversed Frame joggled?

Frames Yes

Bracket Floors, breadth and thickness at middle line

Floors welded

breadth and thickness at margin plate

to tank top

Bracket Floors, Frame

✓

Reversed Frame

✓

Vertical Struts

✓

Centre Girder, depth and thickness amidships

59 1/4 54

top Angles

welded to T.T.

bottom Angles

4 4 9/16

Side Girders, No. each side and thickness

20.60

Margin Plate depth (excl. of flange) and thickness

54

Vertical Angle to Tank side Bracket abaft 1/2 len. from stem

6 6 50

Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area

✓

Gussets, spacing and scantling abaft 1/2 len. from stem

✓

Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area

✓

Tank Side Brackets, height above base line at toe of Frame and thickness

46 R 3"

INNER BOTTOM PLATING.

Breadth and thickness of Middle Line Strake

62

Tank top in way of holding down bolts

1 1/4

Thickness of remainder in Holds

52

Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in

welded construction under engine as app?

Bunkers and Boiler Room?

yes

BEAMS.

Uppermost Continuous Deck, amidships in way of poop

8 3 1/2 7/16

in way of Bridge, Angle, E or F

8 3 1/2 7/16

Spacing

every

Second Deck, amidships, Angle, E or F

8 3 1/2 437

Spacing

every

Third Deck, amidships, Angle, E or F

8 3 1/2 7/16

Spacing

every

Fourth Deck, amidships, Angle, E or F

✓

Spacing

✓

Poop Deck, Angle, E or F

8 3 1/2 35

Spacing

every

Bridge Deck, Angle, E or F

8 3 1/2 437

Spacing

every

Forecastle Deck, Angle, E or F

10 3 1/2 7/16

Spacing

9 3 1/2 7/16

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	Two		Stringer Plate, breadth and thickness in way of Bridge	36 ✓	
" in 'tween Decks, Size and Spacing	long al		Thickness of Plating abreast Deck openings in way of Wells	36 ✓	
" " " " " "	buckheads	✓	Thickness of Plating abreast Deck openings in way of Bridge	34 ✓	
" in Holds " " " "			Thickness of Plating within line of openings...	✓	
" " " " " "			If Sheathed, material and thickness	✓	
Long Centre Line Bulkhead. 11 ft P/B			Third Deck. deep tank top		
Stiffeners and Spacing BA	10 3 1/2 7/16	✓	Stringer Plate, breadth and thickness	42 ✓	
2 hor. girders 30" x 42; 26" x 40	9 3 1/2	✓	If Plated, state thickness	38 ✓	
Plating, thickness of	42 vertical	✓	Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness	✓	
Uppermost Continuous Deck.			If Plated, state thickness	✓	
Stringer Plate, breadth and thickness in Wells	97 x 91, 84	✓	Poop Deck.		
" " " " in way of Bridge	97 x 91	✓	Stringer Plate, breadth and thickness	34 ✓	
" Angle in Wells	stringer welded to sheerstrake	✓	Plating, Sheathing, material and thickness ...	30 x 36 within deck house ✓	
Thickness of Plating abreast Deck openings in way of Wells	76	✓	Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge	✓		Stringer Plate, breadth and thickness	43 ✓	
Thickness of Plating within line of openings... ..	58	✓	Plating, Sheathing, material and thickness ...	34 ✓	
If Sheathed, material and thickness	No	✓	Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness	37 ✓	
Stringer Plate, breadth and thickness in Wells	40	✓	Plating, Sheathing, material and thickness...	36 ✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>State if forged? see plan</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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.....	57	96	78	78		double	1"	4"	five	1 1/8	4 1/2	lapped
„ Dblg. (if any)												
Bottom Plating, No. of Strakes 4.....		67, 64	74, 50	50, 55		double	7/8	3 1/2	four	7/8	3 1/2	lapped
Bilge Plating, No. of Strakes 1.....		64	50	50		double	7/8	3 1/2	four	7/8	3 1/2	lapped
Side Plating, No. of Strakes 3.....		64	50	50		double	7/8	3 1/2	four	7/8	3 1/2	lapped
Upper Deck, Sheer- strake in Wells.....	67	1.07 1.27 at B. ends	50	50		-	-	-	five	1 1/8	5	lapped
Upper Deck, Sheer- strake in Bridge ...	67	1.07	50	50		-	-	-	five	1 1/8	5	lapped
Strake below Sheer- strake in Wells.....	84	76	50	50		double	1	4	four	1	4	lapped
Strake below Sheer- strake in Bridge ...	84	76	50	50		double	1	4	four	1	4	lapped
Poop Side Plating.....				40		one strake			two	3/4	2 3/8	lapped
Bridge Side Plating.....		43				one strake			two	3/4	2 3/8	lapped
Forecastle Side Plating			43			single	3/4	3	one	3/4	2 3/8	lapped

WATERTIGHT BULKHEADS.

FORGINGS AND CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
Extending to Upper Deck (Sec. 3 c)	17 ✓				
" Deck next below	✓				
As per Rule	7				
	ordinary cargo				
		STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
	Plating Thickness.				
MIDSHIP BULKH'D,	central tank ✓ 51 ✓ coam.	10 × 3½ × 7/16 BA	33	after 33 × 40 9 1/3 × 43 7/8 BA	
" "	Second Vertical 41 ✓			lower 33 × 40 12 × 3½ × 45 BA	9' 2"
" "	Third Wing tank ✓ 50 ✓ coam	10 × 3½ × 7/16 BA	30	upper 33 × 40 3½ × 3½ × 43 7/8	
" "	Holds Vertical 40 ✓			lower 33 × 40 3½ × 3½ × 43 7/8	
COLLISION	(in Hold)	53-34	9 × 3½ × 7/16 BA	24	dk Semi beam
AFTER PEAK	"	50-30	9 × 3½ × 7/16 BA	24	broken flat.

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *open hearth S. W.*
Colville's, Steel Company of Scotland. Lanarkshire Steel Co.

Has the Steel been tested as required by the Rules?

Yes

Lloyd's Register
Foundation

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.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.		Speng.	Number.	Diameter.
Framing of <i>L, L</i> or <i>C</i>																			
Frames in Bridge 'tween Decks ...																			
Frames from <i>Keel</i> Uppermost Continuous Deck <i>Int. Centre Girder</i> No. 1																			
	" 2																		
	" 3																		
	" 4																		
	" 5																		
	" 6																		
	" 7																		
	" 8																		
	" 9																		
	" 10																		
	" 11																		
	" 12																		
	" 13																		
	" 14																		
	" 15																		
	" 16																		
Spacing of Longitudinal Frames		Amidships <i>1-4</i>		<i>33"</i>		<i>33"</i>													
		At Ends <i>6-9</i>		<i>30"</i>		<i>30"</i>													
Double Bottoms <i>L, L</i> or <i>C</i>		Tank Top Longitudinals																	
		Bottom																	
Spacing of Longitudinals		Amidships																	
		At Ends...																	
Transverses.																			
In Bridge 'tween Decks		Depth and Thickness																	
		Face Angles																	
		Lugs to Shell*																	
In Upper 'tween Decks.		Depth and Thickness																	
		Face Angles																	
		Lugs to Shell*																	
In Hold.		Depth and Thickness		<i>40 x 1/4 centre</i>		<i>as amidships</i>													
		Face Angles		<i>37 x 1/4 wing</i>															
		Lugs to Shell*		<i>8 3 1/2 7/16 BA</i>		<i>as</i>													
				<i>double at centre single at wings</i>		<i>as</i>													
				<i>6 6 1/2 joggled at wings</i>		<i>as</i>													
				<i>3 1/2 3 1/2 7/16</i>															
				<i>44</i>															
				<i>10'-6"</i>															
Spacing of Transverse Frames		State if joggled or liners.																	
Longitudinal Beams of <i>L, L</i> or <i>E</i>		Bridge Deck																	
		Upper		<i>9 3 1/2 7/16 BA</i>		<i>9 3 1/2 7/16 BA</i>													
		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.

EQUIPMENT No.				LETTER				ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested, and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	
43971	1st Bower	73	2	23				55	15	0	1/7/43 Yogan
43972	2nd "	73	2	14				55	15	0	1/7/43 Yogan
	3rd "										
	Collective weight										
2091	Stream	22	1	4	5	2	10	22	13	0	5/7/43 Reif

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.	
			Statutory.	Breaking.	Supplied.		Per Rule.	Length.							Diam.	Length.		Diam.	
	Length.	Diam.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Fathoms.	Ins.	
3430	130	2 7/16	106 18/32	149 13/32	356-0-18			890%	300	2 7/16	dead	Kingley	Newtown 30/7/43 Ref	TOWLINE	130	5 1/4	77 5/30	130	5 1/4
3421	120	2 7/16	106 18/32	149 13/32	358-1-18					2 7/16	dead	do	do 20/7/43 Ref		HAWSERS & WARPS	6x34	4 off	4 off	
					14.2.8											100	2 3/4	15 4/30	100
Iron Stream Chain or Steel Wire	120	5"		52 1/32						120	5"								
	6x 12																		

Steering Gear, Type (Power or hand) Hastie's steam hydraulic Alternative Means of Steering blocks & tackle to after wheel

Steering Chains (Size and Test) telemotor control Windlass steam efficient Boats four

Ceiling in Holds, thickness and material none Cargo Battens, thickness, material and spacing none

Hatchways. (Upper Deck) skid O.T. hatches 3/4 Thickness of Hatches 40 O.Kight

of Hatchways No. 1 (Fwd.) 8' x 8' No. 2 27 O.T. hatches to cargo tanks 4 ft dia. fabricated No. 3 No. 4 No. 5 No. 6

Number of Shifting Beams } none

Builder's Signature W. Marshall Secretary

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 motor ship

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo oil tanker 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).

oil fuel is carried in bunkers situated at the fore side of the motor space; in deep tank forward of forward cofferdam, and in the double bottom under engines. oil cargo is carried in 27 compartments between forward and after cofferdams, separated into three groups by two pump rooms

This vessel has been built in accordance with the approved plans, the Secretary's letter and the Rules of the Society. The material and workmanship are good. All cargo tanks oil fuel bunkers, deep tank forward, fore and after peak tanks, fresh water tanks, double bottom compartments in machinery space and cofferdams have been tested to Rule requirements and found satisfactory. Steering gear and windlass tested under working conditions and found satisfactory. Weather decks and W.T. bulkheads have been satisfactorily tested. Bilge pumping arrangements tried and found in order. Freeboard verified and cut in.

The amount of Entry Fee..... £11 : 0 : 0 Fees applied for, 14 MAR 1944

BELFAST ACCOUNT. Special Survey Fee..... £609 4 : 6 Received by me, W. Marshall

FREEBOARD (Glas Acc) £19 : 0 : 0 19 carrying Petroleum in Bulk. Long. Framing at bottom and deck

State whether the Vessel has been built under Special Survey YES Signature W. Marshall Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Glasgow Date of issue 5/4/44

Committee's Minute GLASGOW 14 MAR 1944

Character assigned -1- 100A1 3.44

Carrying Petroleum in Bulk Longitudinal Framing at Bottom and at Deck

-1- LUC 3.44 Oil Eng

2 NB 150 lb.

Lloyds acc.

Note :- Copy.

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 a sister vessel to the same Builders. NARICA No 1173

The following forging and casting reports are enclosed
Stem frame, rudder arm & stock, upper & lower bearing block, teller 5 cts.
also, certificates for mast, demose. demose post. all light hatches 5 cts

THE FOLLOWING CARRIED OUT AT GLASGOW:—
Boring of L.R. shafts etc. milled up.
a few items milled on deck & in engine room.
B dye & ballast pumping completed
Port & starboard milled up & found necessary in way of line work.

The above steering gear & bilge pumping also extended spindles tried & found satisfactory, foreboard verified & marks cut in
& certificates issued, anchors & cables also steering gear tried under working conditions & found satisfactory,
Port & starboard milled up & found satisfactory.

EQUIPMENT:—In emergency requirements complied with.

PARTICULARS OF ELECTRIC WELDING (if employed) Upper deck stringer welded to sheer trake, bulth of upper deck
welded, side stringer welded to shell throughout; horizontal girders welded to bulk heads, gussets
and brackets part welded. Transverse bulkheads and transverse welded to longitudinal bulk heads;
longitudinal bulk heads and transverse bulk heads in centre, and transverse in centre welded to shell
double bottom under main motor is an all welded structure except attachment to shell. Hlge Keel:
bulb plate riveted to steel flat, flat welded to shell; angle bulth and corners welded for tightness.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. oil engine, machinery aft; cruiser
stem: D.F.: E.S.D. Gyro C.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower <u>Wt + pins</u> <u>48.5</u> <u>25</u> <u>AE9 (Sund)</u> <u>104923</u> <u>9.4.43</u> 2nd „ <u>8</u> <u>49.3</u> <u>7</u> <u>AE9.</u> <u>104929</u> <u>13.4.43</u> 3rd „
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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 93 ft., R.Q.D. ☒ ft., Bridge 46 ft., Forecastle 51 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 169753 Signal Letters _____ Extreme Breadth over Belting no belting Over-all Length 483
(Circ. 1611) (Circ. 1703)
No. and Material of Decks one deck steel and second deck steel clear of oil tanks
Parts of Bottom of Vessel coated with cement or approved composition none ☒

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft, <u>under engines</u>	<u>59.27</u>	<u>145</u>	Fore peak tank,	<u>23.29</u>	<u>148.8</u>
Double bottom, under Engines and Boilers,			After peak tank,	<u>16.0</u>	<u>88.3</u>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	<u>24.75</u>	<u>296</u>
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity	<u>59.27</u>	<u>145</u>	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 922

Date 23.9.43.

Dates of Surveys
held while building

1943
Dec 1. 4. 8. 15. 16. 21 Jan 4. 13. 18. 28 Feb 3. 10. 16. 23 Mar 8. 17. 23. 24. 25 Apr 2. 6. 9. 19. 20. 22
23 May 3. 4. 5. 9. 10. 13. 14. 24. 25. 28 June 2. 14. 16. 18. 25. 29 July 2. 6. 20. 21. 29 Aug 2. 4. 5. 6
9. 10. 11. 12. 13. 14. 16. 19. 18. 19. 20. 23. 24. 25. 27. 30. 31 Sept 1. 2. 3. 4. 6. 7. 8. 9. 10. 13. 16. 20. 21. 22. 24. 27. 28
29. 30 Oct 4. 8. 11. 13. 14. 18. 19. 22. 26. 27 Nov 2. 4. 5. 6.
Qls. Dates (1943) Nov. 27 Dec. 16. 21 (1944) Jan. 6. 12. 17. 20. 23. 31 Feb. 4. 11. 17. 22, Total No. of Visits Bel 102
23, 28 Mar. 2 Qls. 16