

STEEL STEAMER OR MOTORSHIP.

Received at London Office JUN 1943

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Date of completion of report

4th June 1943

Port of

Belfast

No. 13536

Survey held at

Belfast

Date First Survey

13th April 1942

Last Survey

28 May

19

On the

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

NARICA

Single Screw Motor Tanker

Machinery aft

State Type

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

Full Scantling

State Type of Erections poop & Yole

TONNAGE under Tonnage Deck ...

7232.77

CLASS +100A1 Carrying Petroleum in bulk

State if with freeboard as condition of Class

No

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

Total

7232.77

Gross Tonnage

8213.28

Register Tonnage

4776.83

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

L

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

Launched

7th Feb 1943

Yard No. 1173

Builders

Harland & Wolff Ltd

Owners

Anglo-Saxon Petroleum Co. Ltd

Managers

(Where necessary to be entered in Reg. Book)

Residence

London

Port of Registry

London

If surveyed while building, afloat, or in dry dock

building afloat

REGISTERED DIMENSIONS.

FEET

Length

465.6

Breadth

69.5

Depth

33.85

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	3 1/2		Bracket Floors, Frame	✓	
for 2 cargo tanks from 1/2 length amidships to Collision bulkhead	27		Reversed Frame	✓	
in peaks	24		Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness	59 1/4 x 54	✓
Frame Amidships	10 3 1/2 7/16		top Angles	welded to T.T.	✓
for 2 tanks B.A.	11 3 1/2 7/16		bottom Angles	4 4 9/16	✓
Extends up to	upper dk		Side Girders, No. each side and thickness	2 2 60	✓
Reversed Frame Amidships, Angle	✓		Margin Plate depth (excl. of flange) and thickness	54	✓
Extends up to	✓		Vertical Angle to Tank side	6 6 50	✓
Depth of Framing Girder	10", 11"		Bracket abaft 1/2 len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	✓		Vertical Angle to Tank side	✓	
Second 'tween Decks, Angle, [or]	✓		Bracket from forward 1/2 len. from stem to Panting Area	✓	
Third 'tween Decks, Angle, [or]	✓		Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
for 2 cargo tanks to coll. B.A. B.A.	10 3 1/2 4 1/4		Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	
from 1/2 len. for'd. to 15% len. from Stem	8 3 1/2 7/16		Tank Side Brackets, height above base line at toe of Frame and thickness	46 1/2 x 3"	✓
in Peaks, Angle	8 3 1/2 7/16		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 4 1/8		Breadth and thickness of Middle Line Strake	62	✓
State if Frame Joggled	Yes		Tank top in way of holding down bolts	1 1/4"	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	as app'd		Thickness of remainder in Holds	52	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	as app'd		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. or B. space and framing in O.F. Bunkers and Boiler Room?	welded construction under engines	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	See		Uppermost Continuous Deck, amidships in way of poop	8 3 1/2 7/16	✓
Height of Brackets at side above base line at toe of frame	See		Wells, Angle, [or]	8 3 1/2 7/16	✓
Middle Line Keelson, on Floors, Angles, [or]	Long framing plan		in way of [or]	8 3 1/2 7/16	✓
Through Plate or Inter-costal Plate	✓		Spacing	every	✓
Foundation Plate on Floors	✓		Second Deck, amidships, Angle, [or]	9 3 1/2 437	✓
Flat Plate Keel Angles	✓		Spacing	every	✓
Side Keelsons, No. each side	✓		Third Deck, amidships, Angle, [or]	8 3 1/2 7/16	✓
thickness of Inter-costal Plate	✓		Spacing	every	✓
Angles	✓		Fourth Deck, amidships, Angle, [or]	✓	
DOUBLE BOTTOM. in motor space			Spacing	✓	
Solid Floors, thickness and spacing	46 3/16, 30 3/4		Poop Deck, Angle, [or]	8 3 1/2 35	✓
Are Frame and Reversed Frame joggled?	frames. Yes		Spacing	every	✓
Bracket Floors, breadth and thickness at middle line	10. T.T. under motors.		Bridge Deck, Angle, [or]	8 3 1/2 437	✓
breadth and thickness at margin plate	✓		Spacing	every	✓
			Forecastle Deck, Angle, [or]	10 3 1/2 7/16	✓
			Spacing	every	✓

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				
" in 'tween Decks, Size and Spacing	<i>4/20</i>			
" " " " " "	<i>long al</i>			
" in Holds " " " "	<i>bulkheads</i>	<i>✓</i>		
" " " " " "	<i>Long</i>			
Gentle Line Bulkhead.	<i>11 ft Pt 3.</i>			
Stiffeners and Spacing	<i>2 hor. girders 30" x 42", 36" x 40"</i>	<i>10 3 1/2 7/16</i>		
Plating, thickness of	<i>C 3 1/2</i>	<i>42 vertical</i>	<i>✓</i>	
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	<i>97 x 87.80</i>	<i>✓</i>		
" " " " " in way of Bridge	<i>97 x 87</i>	<i>✓</i>		
" Angle in Wells	<i>6 6 5/8</i>	<i>✓</i>		
Thickness of Plating abreast Deck openings in way of Wells	<i>ce. continuous strakes</i>	<i>✓</i>		
Thickness of Plating abreast Deck openings in way of Bridge	<i>✓</i>	<i>✓</i>		
Thickness of Plating within line of openings	<i>ce. in way of O.T. hatchways</i>	<i>✓</i>		
If Sheathed, material and thickness	<i>no</i>	<i>✓</i>		
Second Deck.	<i>aft</i>			
Stringer Plate, breadth and thickness in Wells	<i>40</i>	<i>✓</i>		
Stringer Plate, breadth and thickness in way of Bridge			<i>36</i>	<i>✓</i>
Thickness of Plating abreast Deck openings in way of Wells			<i>36</i>	<i>✓</i>
Thickness of Plating abreast Deck openings in way of Bridge			<i>34</i>	<i>✓</i>
Thickness of Plating within line of openings			<i>✓</i>	
If Sheathed, material and thickness			<i>✓</i>	
Third Deck.	<i>deep tank top</i>			
Stringer Plate, breadth and thickness			<i>42</i>	<i>✓</i>
If Plated, state thickness			<i>38</i>	<i>✓</i>
Fourth Deck.				
Stringer Plate, breadth and thickness			<i>✓</i>	
If Plated, state thickness				
Poop Deck.				
Stringer Plate, breadth and thickness			<i>34</i>	<i>✓</i>
Plating, Sheathing, material and thickness			<i>30 expt. 26 with 1/2 inch keelsons</i>	<i>✓</i>
Bridge Deck.				
Stringer Plate, breadth and thickness			<i>43</i>	<i>✓</i>
Plating, Sheathing, material and thickness			<i>34</i>	<i>✓</i>
Forecastle Deck.				
Stringer Plate, breadth and thickness			<i>37</i>	<i>✓</i>
Plating, Sheathing, material and thickness			<i>36</i>	<i>✓</i>

SHELL PLATING.

STANTINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if toggled?	SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAIPPED 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 9		64	50	50		double	7/8	3 1/2	four	7/8	3 1/2	lapped	
Upper Deck, Sheer- strake in Wells.....	67	99	50	50		-	-	-	five	1 1/8	5	lapped	
Upper Deck, Sheer- strake in Bridge ...	67	99	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 5/8	lapped	
Bridge Side Plating.....		43				one strake			two	3/4	2 5/8	lapped	
Forecastle Side Plating			43			single	3/4	3	one	3/4	2 5/8	lapped	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)	17				
„ Deck next below	✓				
As per Rule	ordinary cargo	7			

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	flat keel			
STEM	rolled	10 1/4	2 3/4	✓
STERN	Propeller Post	cast	20	Brass dome

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	<i>flat keel</i>			
STEM	<i>rolled</i>	<i>10 1/4 x 2 3/4</i>		
STERN FRAME {	Propeller Post	<i>cast</i>	<i>do</i>	<i>Brandsome</i>
{	Rudder	<i>steel</i>	<i>app</i>	

STIFFENERS.

		Plating Thickness.	VERTICAL.		HORIZONTAL.		Speed of Vessel	RUDDER—Type		Simple type Beandmont	
			Scantlings.	Spacing.	Scantlings.	Spacing.					
MIDSHIP BULKH'D,	Upper tween decks	51'	10x3½x7/16 Ga	33	44x32x40 9x3½x437 Ga bolts 33x40 12x3½x458 Ga 44x32x40 32x3½x437 bolts 33x40 3½x33x437	9-2"	A × D	radial double	✓		
"	Second "	48'	Vertical				"	Diam. of head	plate built	✓	
"	Third Wing Tank	50'	10x3½x7/16 Ga	30	44x32x40 32x3½x437 bolts 33x40 3½x33x437		"	Mainpiece at top pintle	arabot steel frame	✓	
"	Holds	48'	Vertical.				"	" heel	forged stock	✓	
COLLISION	(in Hold)	53-34	9x3½x7/16 Ga	24	12x11 comic box beams		"	how constructed	semi balanced	✓	
AFTER PEAK	"	50-30	9x3½x7/16 Ga	24	bolts flat		"	double or single plate	arapp. dia	✓	
	"						"	coupling, vertical or horizontal	botook 11"	✓	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *openhearth. S.M.*
Colville's Lanarkshire. Steel Co. Scotland.
Has the Steel been tested as required by the Rules? *Yes*

EQUIPMENT No.

LETTER

ANCHORS

Number of Certificates.	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.				
42753	1st Bower	73	3	21				55	15	0	0	Byron	30-11-02
42751	"	73	2	0				55	15	0	0	Byron	30-11-02

Rpt. 1*.

NARICA HAN N 1173.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.			AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.		RIVETING.					
			In Ship.			In Ship.					Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.	
			Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Diam.	Spang.	Inches.		Number.	Diameter.
			Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Ins.	Ins.				Inches.
Framing of L, L or C																
Frames in Bridge 'tween Decks ...																
Frames from ^{Keel} Uppermost Continuous Deck No. 1																
Int. centre girders																
,, 2																
,, 3																
,, 4																
,, 5																
,, 6																
,, 7																
,, 8																
,, 9																
,, 10																
,, 11																
,, 12																
,, 13																
,, 14																
,, 15																
,, 16																
Spacing of Longitudinal Frames																
Amidships																
At Ends																
Double Bottoms																
L, L or C																
Tank Top Longitudinals																
Bottom																
Spacing of Longitudinals																
Amidships																
At Ends																
Transverses.																
Side																
(in 'tween Decks)																
Depth and Thickness																
Face Angles																
Lugs to Shell*																
Side																
(in Hold)																
Depth and Thickness																
Face Angles																
Lugs to Shell*																
Bottom																
Depth and Thickness																
Face Angles																
Lugs to Shell*																
,, Back Bars																
Brackets																
Spacing of Transverse Frames																
State if jogged or liners.																
Longitudinal Beams of L, L or C																
Bridge Deck																
Upper																
Second																
Third																
Spacing.																
Transverse Beams.																
Plate.																
Face Angles.																
Any Departure from Approved Plans to be Noted.																

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.

1m,2,37. T.

002989-02996-0066 3/3

*The Surveyors are re-
below the Co*

Write Bel ✓

2DB-180 lb

Del Eng CL

Foundation

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.	
42753	1st Bower	73	3	21				55	15	0	✓
42751	2nd "	73	3	0				55	15	0	✓
	3rd "										
	Collective weight										
1728	Stream	22	2	10	5	2	18	22	16	3	14

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.	
	Fathoms.	Diam.	Stat.	Break.	Supplied.	Per Rule.		Fathoms.	Diam.					Fathoms.	Ins.		Fathoms.	Ins.
3109	130	2 7/16	106 3/4	149 1/2	356-3-21			300	2 7/16	stud	Hungley Ben Vetterton	23-10-42 Ref.	TOWLINE	130	5 1/4	77 1/2	130	5 1/4
3110	120	2 7/16	106 3/4	149 1/2	357-0-7				2 7/16	stud	Hungley Ben	23-10-42 Ref.	HAWSERS & WARPS	20ft	2 3/4	15 1/2	100	2 3/4
					14-0-0									20ft	2 3/4	15 1/2	100	2 3/4
														100	2 3/4	15 1/2	100	2 3/4
Iron Stream Chain or Steel Wire	120	5			52 1/2			130	5									

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

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

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

Cargo Hatchways.—(Upper Deck) *Steel O.T. hatchways coamings 9" x 3 1/2"* Thickness of Hatches *50 steel O.T. covers*
forehead *27 O.T. hatchways to cargo tanks 4' 6" x 3' 6"*

Size of Hatchways No. 1 (Fwd.) *8' x 8'* No. 2 No. 3 No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters *none*

Builder's Signature *W. M. Balfour* Secret

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 fore side of motor space, in deep tank forward of forward cofferdam and in 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 plan, the Secretary's letters 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 compartment in motor space and cofferdams have been tested to Rule requirements and found satisfactory. Weather decks & W.T. bulkheads have been satisfactorily hose tested. Bilge pumping arrangements tried and found in order. Deck and verified and cut in

The amount of Entry Fee..... £11 : 0 : 0
 Special Survey Fee..... £67 : 19 : 9
 Travelling Expenses, if any £19 : 0 : 0

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

State whether the Vessel has been built under Special Survey *yes*

I am of opinion the Vessel should be Classed *+100 A1*
carrying petroleum in bulk. Long framing at bottom and at deck.

Signature *W. M. Balfour*
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Belfast* Date of issue *19/7/43*

Committee's Minute

Character assigned

TUES. 6 JUL 1943

+100 A1

Carrying Petroleum in Bulk
Lloyds Acco *+2MC 5.43*

White Bel

2DB-180 lb
Oil Eng *CL*

Lloyd's Register
 Foundation

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 Tanker is one of the series already built. Engine Bombardier, Engine Helcher, etc; but in this case a few amendments have been made in the structural details, the principal being that the position of the horizontal stringers especially at the ends have been altered affecting framing and bulkhead stiffeners.

The following forging and casting reports are enclosed

Stern frame, back post; rudder, tiller

also certificate for mast, derricks etc

6 certificates

4 certificates

PARTICULARS OF ELECTRIC WELDING (if employed)

The double bottom under main motor is an all welded construction, except attachment to shell. Side stringers welded to shell throughout, horizontal girders welded to bulkheads throughout, gussets and brackets part welded angle butts & corners welded for oil tightness, also minor and non structural items.

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

oil engine, machinery aft, cruiser stern D.F.; E.S.D. Spr.C

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

1st Bower 41 + pins 49.3.7. S.P.R. (Mex.) 4939. 15.6.42 ✓
2nd „ 80 49.3.7 J.H.J. Mex 5173 11.9.42.
3rd „

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. 168435

Signal Letters

Extreme Breadth over Belting no belting

Over-all Length 483.

No. and Material of Decks one deck steel and second deck steel clear foil 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, under engines	59.3	152	Fore peak tank,		150
Double bottom, under Engines and Boilers,			After peak tank,		88
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	24.7	295
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 944

Date

11/1/42

Dates of Surveys held while building

1942
Apr 13, 24 May 6, 11, 12, 13, 14, 15, 16, 17, 20 June 1, 2, 5, 9, 11, 12, 15, 16, 17, 25, 26, 29, 30 July 1, 3, 6, 7, 8, 9, 10, 21, 22, 23, 27, 30, 31 Aug 4, 5, 11, 13, 14, 24, 26, 27, 31 Sept 2, 4, 7, 11, 16, 17, 18, 21, 24, 28, 29, 30 Oct 3, 6, 9, 12, 15, 23, 26, 27, 28, 29, 30 Nov 2, 3, 5, 9, 10, 11, 13, 23, 24, 27, 30 Dec 1, 2, 8, 10, 15, 16, 17, 19, 21, 23, 29, 30, 31 Jan 3, 4, 5, 6, 11, 14, 15, 16, 18, 19, 20, 21, 23, 24, 25, 26, 28, 29, 30, 31 Feb 1, 3, 4, 5, 7, 12, 17, 18, 21, 24, 26, 27, 28
Total No. of Visits 142