

STEEL ~~STEAMER~~ MOTORSHIP.

Received at London Office 2 JAN 1943

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report 22/12/42Port of NEWCASTLE-ON-TYNENo. 100938Survey held at Wallend-on-SydeDate First Survey 4 Nov 1941Last Survey 16 December 1942

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

Single Screw Motor Tanker "BRITISH GRATITUDE"Machinery fitted aft.

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

Full Scantling

State Type of Erections

Prop, Bridge and Forecastle

TONNAGE under Tonnage Deck

7444.69CLASS 100A.1. Carrying Petroleum in bulk.State if with freeboard as condition of Class No.Built at Wallend-on-Syde

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)

463'0"Launched 26th September 1942 Yard No. 1673

Breadth (greatest moulded)

B 61'9"Builders Swan Hunter, Wigham Richardson Ltd.

Total

✓

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 1/2"Owners British Tanker Co.

Gross Tonnage

8463.26

1st Longitudinal Number (L x D)

15-760

Managers

(Where necessary to be entered in Reg. Book)

Register Tonnage

4914.29

2nd Numeral L x (B + D)

44350

Residence

REGISTERED DIMENSIONS.

FEET

Length

470.1

Breadth

61.95

Depth

33.9

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

✓

Proportions—Depth to Length—Uppermost continuous deck to top of keel

13.63Port of Registry London

Do. Long Bridge to top of keel

✓

If surveyed while building, afloat, or in dry dock

Yes.

Draught Moulded

27'6 1/4"

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.....	<u>31 1/4</u>	✓	Bracket Floors, Frame	✓	
" " from 3/4 length amidships to Collision bulkhead.....	<u>27</u>	✓	" " Reversed Frame.....	✓	
" " in peaks	<u>24</u>	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness <u>E. Room</u>	<u>5'0" x 46" 57" 54"</u>	
Frame Amidships, Angle, <u>E or C</u>	<u>10 3 1/2 40</u>	✓	" " top Angles	<u>3 1/2 3 1/2 48</u>	✓
" " Extends up to..... <u>Upper Deck</u>		✓	" " bottom Angles.....	<u>5" 5" 50</u>	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness.....	<u>Two 75 x 42</u>	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	✓	
Depth of Framing Girder.....	<u>10</u>	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, <u>C or E</u>	✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	✓	
" " Second 'tween Decks, Angle, <u>C or E</u>	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	✓	
" " Third " " " " " "	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	✓	
" " from 1/2 len. for'd. to 15% len. from Stem	<u>10 3 1/2 40</u>	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
" " in Peaks, Angle <u>C or E</u>	<u>8 3 1/2 46</u>	✓	INNER BOTTOM PLATING. <u>In E. Room only</u>		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>7/8 - 4 7/8</u>	✓	Breadth and thickness of Middle Line Strake.....	<u>1 1/8 under engine bed.</u>	
State if Frame Joggled.....	<u>Yes</u>	✓	Thickness of remainder in Holds	<u>5/2 x 54</u>	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<u>Yes</u>	✓	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?.....	✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	<u>Yes</u>	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <u>C or E</u>	✓	
Floors, Depth and thickness at mid-line in Holds.....			" " in way of Bridge, Angle, <u>C or E</u>	✓	
Height of Brackets at side above base line at toe of frame.....			Spacing	✓	
Middle Line Keelson, on Floors, Angles, <u>C or E</u>			Second Deck, amidships, Angle, <u>C or E</u>	✓	
" " Through Plate or Intercostal Plate			Spacing	✓	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, <u>C or E</u>	✓	
" " Flat Plate Keel Angles			Spacing	✓	
Side Keelsons, No. each side.....			Fourth Deck, amidships, Angle, <u>C or E</u>	✓	
" " thickness of Intercostal Plate.....			Spacing	✓	
" " Angles			Poop Deck, Angle, <u>E or C</u>	<u>8 3 1/2 36</u>	✓
DOUBLE BOTTOM. <u>In E. Room only</u>			" " " " " "	<u>8 3 1/2 48</u>	✓
Solid Floors, thickness and spacing <u>every frame</u>	<u>1/2 1/2 60</u>	✓	" " " " " "	<u>8 3 1/2 46</u>	✓
" " Are Frame and Reversed Frame joggled?	<u>Frame bar clear of E.W.</u>	✓	Spacing	<u>Every frame</u>	✓
Bracket Floors, breadth and thickness at middle line	✓		Bridge Deck, Angle, <u>E or C</u>	<u>7 3 33</u>	✓
" " breadth and thickness at margin plate.....	✓		Spacing	<u>Every frame</u>	✓
			Forecastle Deck, Angle, <u>E or C</u>	<u>9 3 1/2 38</u>	✓
			Spacing	<u>8 3 35</u>	✓

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	✓			
" " " " "	✓			
" in Holds " " "	✓			
" " " " "	✓			
Wing Centre Line Bulkhead. Stiffeners and Spacing 31 1/4"	10 3 1/2 40 B.A.	✓		
Plating, thickness of	51 x 40	✓		
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	72 1/2 x .72	✓		
" " " " in way of Bridge	72 1/2 x .88 & .72	✓		
" Angle in Wells	7 7 .72	✓		
Thickness of Plating abreast Deck openings in way of Wells }	Centre stake .70" 2 inch " .70" Hatch " .58"	✓ ✓ ✓		
Thickness of Plating abreast Deck openings in way of Bridge.....}				
Thickness of Plating within line of openings...	✓			
If Sheathed, material and thickness.....	✓			
Second Deck.				
Stringer Plate, breadth and thickness in Wells	✓			
Stringer Plate, breadth and thickness in way of Bridge } Thickness of Plating abreast Deck openings } in way of Wells } Thickness of Plating abreast Deck openings } in way of Bridge.....}	✓ ✓ ✓ ✓			
Thickness of Plating within line of openings...	✓			
If Sheathed, material and thickness.....	✓			
Third Deck.				
Stringer Plate, breadth and thickness.....	✓			
If Plated, state thickness	✓			
Fourth Deck.				
Stringer Plate, breadth and thickness.....	✓			
If Plated, state thickness.....	✓			
Poop Deck.				
Stringer Plate, breadth and thickness.....	48 x .38	✓		
Plating, Sheathing, material and thickness30 x .28 Bare steel	✓		
Bridge Deck.				
Stringer Plate, breadth and thickness.....	64 1/2 x .44	✓		
Plating, Sheathing, material and thickness32 composition in accordance	✓		
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	36 x .38	✓		
Plating, Sheathing, material and thickness...	.36 Bare steel	✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>ho</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.....	53	.99	.77	.77		2R	1	4					
„ Dblg. (if any)	✓	✓	✓	✓		✓	✓	✓					
Bottom Plating, No. of Strakes4.....	B C D E	.65 .65 .66 .66	.76 .76 .76 .77	.67 .79 .79 .67		2R	7/8	3 1/2					
Bilge Plating, No. of Strakes1.....	F	.65	.56	.62		2R	7/8	3 1/2					
Side Plating, No. of Strakes3.....	G H J	.64 .64 .64	.48 .48 .48	.79 .48 .48		2R	7/8	3 1/2					
Upper Deck, Sheer- strake in Wells.....	63	.98	.48	.48		✓	✓	✓					
Upper Deck, Sheer- strake in Bridge ...	63	1.18	✓	✓		✓	✓	✓					
Strake below Sheer- strake in Wells.....	81	.82	.48	.48		2R	1	4					
Strake below Sheer- strake in Bridge ...	81	.82	✓	✓		2R	1 1/8	4 1/2					
Poop Side Plating.....	✓	✓	✓	.40		1R	7/8	3 1/2					
Bridge Side Plating.....	✓	.44	✓	✓		2R	3/4	4					
Forecastle Side Plating	✓	✓	.44	✓		1R	3/4	3					

Keel and all shell butts electrically welded.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c).

Deck next below

As per Rule.

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D,	Upper 'tween decks	✓				
"	"	Second	✓				
"	"	Third	✓				
"	"	Holds	✓	10x3 1/2 x .46	31 3/4" Wing Tanks	} B.A.	
			51'-39	10x3 1/2 x .40	30" Centre "		
COLLISION	"	(in Hold)	53', 39,	11x3 1/2 x .51,	B.A.	24	
			34', 30,	6x3x.33			
AFTER PEAK	"	"	46', 37,	9x3 1/2 x .37,	B.A.	24	
			34', 30,	7x3 1/2 x .36,			

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓	✓	✓	✓
STEM	<i>Rolled Bar</i>	<i>10 x 2 3/4"</i>		
STERN FRAME { Propeller Post	<i>Cast</i>	<i>1 1/8 x 8 3/4"</i>	<i>Steel Co.</i>	
" Rudder	<i>Steel</i>	<i>approved</i>	<i>Scotland</i>	
Speed of Vessel	<i>not to exceed 12 knots.</i>			
RUDDER—Type	<i>as approved.</i>		<i>Borman Long.</i>	
" A x D	<i>804</i>			
" Diam. of head		<i>13 3/4"</i>	<i>Woloughham Steel Co.</i>	
" Mainpiece at top pintle			<i>Id.</i>	
" " heel		<i>as approved</i>		
" how constructed	<i>E. Welded.</i>			
" double or single plate	<i>double</i>			
" coupling, vertical or	<i>Horizontal.</i>			
" horizontal				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth.*
Dorman Long & Co.; Connell Iron Co.; South Durham Steel & Iron Co.; Appleby & Tordingham Steel Co.; Colvilles Ltd.; Skinningrove Iron Co.; Steel Co. of Scotland Ltd.; Raine & Co. Ltd.; Cargo Steel Iron Co.;
 Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. 46502										LETTER df				ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, Wt. STOCK. LESS			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.					
41975	1st Bower	78	1	0	-	-	-	57	17	2	0	✓	Cwts. 44.33	Byers Improved Stockless	✓	L.P.H.S. 30/5/42 W.V. Norman
41192	2nd "	76	2	7	-	-	-	57	5	0	0	✓	44.33	Do	✓	L.P.H.S. 15/9/41 W.V. Norman
	3rd "															
	Collective weight											✓	232.0.0	Ordinary forged wrought iron	✓	L.P.H.S. 7/10/42 W.V. Norman
55441	Stream	23	2	22	6	0	7	23	13	3	0	✓	23.5			

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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Fathoms.	Diam.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
42155	240	2 1/2	112 1/2	157 1/2	750-2-7			300	2 5/8	Steel	✓	L.P.H.S. 28/12/42 G. Butler		TOWLINE	130	5 1/2	84.4	130	5 1/2
														HAWSERS & WARPS	2@100	2 3/4	15.2	2@100	2 3/4
															2@100	2 3/4	15.2	2@100	2 3/4
Iron Stream Chain Steel Wire	120	4 3/4	✓	64.6						6/12	✓								

Steering Gear, Type (Power or hand) *Power - Steam Hydraulic by S. Harvie & Sons* Alternative Means of Steering *Blocks & Tackle*

Steering Chains (Size and Test) *✓* Windlass *Steam Emerson Walker* Boats *2 with motors*

Ceiling in Holds, thickness and material *✓* Cargo Battens, thickness, material and spacing *✓*

Cargo Hatchways.-(Upper Deck) *Steel plates and angles* Thickness of Hatches *60" steel plates to oil cargo tanks & stiffeners to fore hold.*

Size of Hatchways No. 1 (Fwd.) *6'9" x 10'0"* No. 2 *6'0" x 4'0"* No. 3 *✓* No. 4 *✓* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *✓*

Builder's Signature *James Buckie*

FOR
SWAN, HUNTER, & WIGHAM RICHARDSON, LTD.

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 Vessel*

(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).

This vessel has been constructed in accordance with the approved plans, the Secretary's letters and generally conforms with the Society's Rules for the class contemplated. The materials and workmanship are good. The weather decks clear of oil tanks and W.T. bulkhead above peak tank forward have been hose tested and found satisfactory. The peak tanks, all cargo tanks, deep tank forward, oil fuel bunkers, cofferdams and double bottom tanks have been tested as required by the Rules and found satisfactory. The requirements of Section 20 of the Rules, where applicable, for the carriage of oil fuel, having a flash point above 150°F have been complied with. The windlass and steering gear have been tried over, (quayside), and found satisfactory.

The assigned firebrands have marked on the vessel's sides, verified and cut in.

The oil fuel is carried in bunkers at the forward end of engine room, in fore deep tank and part of the double bottom under the machinery space.

The amount of Entry Fee..... £ 11 : 0 : 0 } Fees applied for, *31 DEC 1942*

Special Survey Fee..... £ 617 : 7 : 3 } Received by me, 19

Freightboard 19-0-0

Travelling Expenses, if any £ : : }

I am of opinion the Vessel should be Classed *+100A-1 "Carrying Petroleum in bulk"*

State whether the Vessel has been built under Special Survey *Yes.* Signature *E.H. Dean & H. Little*

Certificate *in duplicate* to be sent to *NEWCASTLE-ON-TYNE.* Date of issue *28/1/43.* Surveyors to Lloyd's Register of Shipping.

Committee's Minute *TUE 19 JAN 1943*

Character assigned *+100A-1*

Carrying petroleum in bulk

Butts of Shell & H. plating, Elec. Weld. *+ Limb. 12.42*

Lloyd's arch. OL. E.S.D. *2 S.B. - 1500*

note for S.R.L. *Al. Hg. CL.*

Write JH

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 "BRITISH CHARACTER" Newcastle-on-Tyne report No. 100073
The approved plans as per attached list and joining reports are forwarded with this report.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of Keel and all shell plating; Butts of upper deck plating; Seams and butts of Forecastle, Bridge and Poop decks; Engine Room Tank top and all internal structure in way of Engine; Seams and butts of lower deck plating in way of fore hold.
Seams of upper deck plating at fore and after ends only. Butts and Seams of oil tight flat forward.

The 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 Stern; Machinery aft; Longitudinal framing at bottom and deck; Lloyd's A.R.P.; E.S.D.; D.F.

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

1st Bower ^{Ab.} W^E 44-2-14; Intk. K.L.; No. of Cert. 4602; Date 17/2/42.
2nd " " 44-2-10; " H.B.J.; " 3488; " 11/10/40.
3rd " "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 102'5 1/4" ft., R.Q.D. ft., Bridge 44'5 1/4" ft., Forecastle 49'0" ft.

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

Official No. 168355

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

Over-all Length 486'3" (Circ. 1703)

No. and Material of Decks 1st Stk. 2nd Deck clear of Cargo tanks.

Parts of Bottom of Vessel coated with cement or approved composition Bottom of fore and aft peak tanks and engine room double bottom tank.

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, Feed water	27'6"	42 F.W.	Fore peak tank,	24'2 1/2"	149
Double bottom, under Engines and Boilers,	35'0"	126 O.F.	After peak tank,	16'0"	83
Double bottom, if under Engines only,		at 40.8	Deep tank, aft, C.D.	3'6"	190
Double bottom, if under Boilers only,	45'	189.85	Deep tank, forward, C.D.	3'6"	175
Double bottom, forward,			Other tanks, if fitted, Deep tank forward	31'6"	313
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 5643

Date 16.12.41

Dates of Surveys held while building

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

Total No. of Visits

