

STEEL STEAMER or MOTORSHIP.

Received at London Office

12 OCT 1936

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

10 October 1936

Port of

Newcastle-on-Tyne

No. 94275

Survey held at

Walker-on-Tyne

Date First Survey

18 Dec/35

Last Survey

8 October 1936

On the

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

M.V.

"BRITISH ENDURANCE"

Machy aft

Single Screw

State Type

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

Full Scantling

State Type of Erections

P. B. F.

TONNAGE under Tonnage Deck

7422.85

CLASS

Carrying petroleum in bulk

State if with Freeboard as condition of Class

Built at Walker-on-Tyne, Newcastle

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 464.2

Launched 19th Aug. 1936 Yard No. 1500

Total

Breadth (greatest moulded)

B 61.75

Builders Swan Hunter & Wigham Richardson Ltd.

Gross Tonnage

8303.04

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

D 34.04

Owners British Tanker Co. Ltd.

Register Tonnage

4938.86

1st Longitudinal Number (L x D) = 15801

Managers

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

2nd Numeral L x (B + D) = 44466

Residence

REGISTERED DIMENSIONS.

FEET.

Length

466.3

Breadth

61.9

Depth

33.95

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

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

13.63

Port of Registry London

If surveyed while building, afloat, or in dry dock

Building afloat

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	30" in long tanks 28 1/2" "Short"	No 3-4-5-6 No 1-2-7-8-9	Bracket Floors, Frame	None	
" from 3/8 length to Collision bulkhead	27"		" " Reversed Frame	None	
" in peaks	24"		" " Vertical Struts	None	
FRAMING. PARTICULARS OF LONG TANKS	30"		Centre Girder, depth and thickness amidships	63" x 54" x 46	
Frame Amidships, Angle, [or]	11 3/2 x 43 10 3/2 x 40 9 3/2 x 40	No 1 Tank No 2 & 3 tanks	" " top Angles	double 3 1/2 x 3 1/2 x 48-46	
" Extends up to	Upper deck		" " bottom Angles	5" x 5" x 54-50	
Reversed Frame Amidships, Angle, [or]	10 3/2 x 40		Side Girders, No. each side and thickness	2 62" x 42	50" x 42
" Extends up to	to upper stringer + upper deck alternately		Margin Plate depth (excl. of flange) and thickness	54	
Depth of Framing Girder	9" x 10		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	10 3/2 x 40 8 x 3 1/2 x 44 alt + scupper		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	✓	
" Second 'tween Decks, Angle, [or]	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	✓	
" Third " " " "	✓		" " Gussets, spacing and scantling forward 1/4 len. from stem	✓	
Framing in Peaks, Angle, [or]	8 3/2 x 46		Tank Side Brackets, height above base line at toe of Frame and thickness	3' 3" x 46	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" - 4 7/8"		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	70" x 52	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	4 stringers in peaks 2 stringers 40" flat + web frames as upper abaft of peak line		Thickness of remainder in Holds	1 1/2" under Eng	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	3 stringers of plating increased + imbricated + double riveted frame connecting all as approved		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?	Yes	
DOUBLE BOTTOM.			BEAMS.		
Uppermost Continuous Deck, amidships	1 web at mid length of tank 60" x 42 - 6 x 3 x 46. 8A face bar for full height		Uppermost Continuous Deck, amidships	Long	
" in Wells, Angle, [or]	2 webs at 1/4 length of tanks between bottom flange + lower stringer 48" 30" x 44 flange 5" on face		" " in way of Bridge, Angle, [or]	✓	
Middle Line Keelson, on Floors, Angles, [or]	WEBS TO SIDE SHELL IN SHORT TANKS 1 web at mid length of tanks 48" 30" x 44 flange 5" on face		Spacing	✓	
" " Through Plate or Intercostal Plate	SHELL SIDE STRINGERS Lower 30" x 42 Face angle 3 1/2 x 3 1/2 x 44		Second Deck, amidships, Angle, [or]	✓	
" " Foundation Plate on Floors	Middle 28" x 42 Face angle 3 1/2 x 3 1/2 x 44		Spacing	✓	
" " Flat Plate Keel Angles	Upper 26" x 42 Face angle 3 1/2 x 3 1/2 x 44		Third Deck, amidships, Angle, [or]	✓	
Keelsons, No. each side			Spacing	✓	
" thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or]	✓	
Angles			Spacing	✓	
DOUBLE BOTTOM. Machy space			Poop Deck, Angle, [or]	9 x 3 x 42 x 40 8 x 3 x 35	
Solid Floors, thickness and spacing	42" x 62" under Eng	50" under Eng	Spacing	24" x 30"	
" " Are Frame and Reversed Frame joggled?	Yes		Bridge Deck, Angle, [or]	7 x 3 x 33 30"	
Bracket Floors, breadth and thickness at middle line	None		Spacing	✓	
" " breadth and thickness at margin plate	None		Forecastle Deck, Angle, [or]	9 x 3 x 42 8 x 3 x 35	
			Spacing	27" x 24"	

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.
<i>In Tanks at Centre Line</i>							
PILLARS , No. of Rows.....	} <i>3 pillars at centre line in each long tank 10x32x32x50 II</i>			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...	✓		
" " " " "	} <i>1 pillar in each short tank.</i>			If Sheathed, material and thickness	✓		
WING Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing			Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of	<i>9x3x40 J vert stiffeners spaced 30" apart.</i>		If Plated, state thickness.....	✓			
<i>Int. Centre girder in oil tanks</i>	<i>3 webs 24"x40 3/2x32x40 face angle</i>						
STRINGERS AND DECK.	<i>3 horizontal stringers on approved</i>			Fourth Deck.			
Uppermost Continuous Deck.	<i>51" x 40</i>			Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	<i>4'6" x .42 with 3/2x32x44 double face angle</i>	42"x.82	42"x.72	If Plated, state thickness	✓		
" " " " in way of Bridge		82" x .98	72" x .88				
" Angle in Wells		7	4	Poop Deck.			
Thickness of Plating abreast Deck openings in way of Wells		42	through strakes	Stringer Plate, breadth and thickness	38"x.38	✓	
Thickness of Plating abreast Deck openings in way of Bridge		58	on hatch strakes	Plating, Sheathing, material and thickness ..	30 at 26 where part sheathed 2 1/2" wood dk		
Thickness of Plating within line of openings...	✓			Bridge Deck.			
If Sheathed, material and thickness	✓			Stringer Plate, breadth and thickness.....	56"x.44	✓	42"x.44
Second Deck.				Plating, Sheathing, material and thickness ..	30 2 1/2" wood dk	✓	
Stringer Plate, breadth and thickness in Wells...	✓			Forecastle Deck.			
				Stringer Plate, breadth and thickness.....	36"x.38	✓	
				Plating, Sheathing, material and thickness ..	30 2 1/2" wood deck	✓	

SHELL PLATING.

SCANTLINGS.						RIVETING. <i>amidships</i>							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			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		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.			
FLAT PLATE KEEL	58	.99	.82	.82	1.77 at ends	double	1"	4"	Quintuple	1 1/8	5"	lapped	
„ DBLG. (if any)			✓										
BOTTOM PLATING, No. of Strakes 4.	2 at	.65	.56	.51	1.51 at ends								
BOTTOM PLATING, No. of Strakes 4.	2 at	.66	.56	.51	1.51 at ends.	double	7/8	3 1/2"	Quad	7/8	3 1/2	"	
BILGE PLATING, No. of Strakes 1.		.65	.56	.51	1.51 at ends.	"	7/8	3 1/2"	"	7/8	3 1/2	"	
SIDE PLATING, No. of Strakes 3.		.63	.53	.48	1.48 at ends	"	7/8	3 1/2"	"	7/8	3 1/2	"	
UPPER DECK, Sheer-strake in Wells.....	63"	1.08	.53	.48	1.98 + .48 ends	✓	✓	✓	Sextuple + Quintuple	1 1/8 + 1"	5" 4 1/2"	"	
UPPER DECK, Sheer-strake in Bridge.....		1.08 + 1.28 at ends of bridge	.53	.48	1.98 + 1.18 .48 ends	✓	-	-	Sextuple	1 1/8	5"	"	
STRAKE BELOW Sheer-strake in Wells.....		.82	.53	.48	1.48 at ends	double	1 1/8 1"	4 1/2 4"	Quad	1"	4"	"	
STRAKE BELOW Sheer-strake in Bridge.....		.82	.53	.48	1.48 ends.	"	1"	4"	Quad	1"	4"	"	
POOP SIDE PLATING40	✓	one strake	✓	✓	Double. double + Single	3/4	2 7/8	✓	
BRIDGE SIDE PLATING44			✓	double	3/4	3"	Lower - Double upper - double	3/4	2 7/8	✓	
FOREG'TLE SIDE PLATING			.44 + .49		1.44	Single	3/4	3"	Single	3/4	2 7/8	✓	

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					

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
„ „ Second „					
„ „ Third „					
„ „ Holds	51'-40	9 x 3 x .407	30" x 31 3/4"	3 let. girders as per appd plan	
COLLISION „ (in Hold)	53'-26	11 x 3 1/2 x .512	42 x 3 x .34 A	24"	
AFTER PEAK „ „	45'-30	7 x 3 x .427	4 x 3 x .36 A	24"	

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	Roller bar	10 x 2 3/4		
STERN FRAME { Propeller Post	Forging	11 1/2 x 8 1/2	Wilton Forge Rotterdam	
{ Rudder „		11 x 8 1/4		
Speed of Vessel	11 1/2			
RUDDER—Type	cut type	rudder		
„ A x D		✓		
„ Diam. of head	13 3/4"	✓		
„ Mainpiece at top pintle	Built up rudder as per plan appd.			
„ „ heel ...				
„ how constructed	Forgings - Wilton Forge.			
„ double or single plate	double .60			
„ coupling, vertical or horizontal	Horizontal Coupling			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open hearth.*
Consett Iron Co. Ltd., Dorman Long & Co. Ltd., Appleby Frodingham Steel Co. Ltd., South Durham S. & S. Co. Ltd.,
Rainey & Co. Ltd., Lanarkshire Steel Co., Skinningrove S. Co. Ltd., Cargo Fleet Iron Co., Aldridge & Co. Ltd., Steel Co. of Scotland Ltd.
 Has the Steel been tested as required by the Rules? *yes.*

Rpt. 1*, **Newcastle-on-Tyne**
No. 94275

"BRITISH ENDURANCE"

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.	Rivets in Brackets to Bulkheads.
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.	Number.		
													Ins.	Ins.	Inches.	Inches.	
Framing of L or C																	
Frames in Bridge 'tween Decks ...																	
Frames from Uppermost Continuous Deck No. 1																	
on bottom shell plating																	

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.

EQUIPMENT No 46378										LETTER <i>dt</i>	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
35863	1st Bower ...	89	2	14	Stockers			63	5	-	Byas Improved Studen	not stated	See 28/4/36 J.H. Butler
35862	2nd „ ...	81	2	7	„			59	10	-	„	„	See 28/4/36 J.H. Butler
35859	3rd „ ...	69	2	14	„			53	12	2	„	„	See 24/4/36 J.H. Butler
	Collective weight	240	3	7									
49159	Stream	23	2	0	5	3	16	23	10	-	ordnary J.W. anchor	„	C.H. 6/4/36 L.S. 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.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts. gra. lbs.	Cwts.		Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
36513	300	2½	12½	15½	945-0-14	940		300	2½	Slid	not stated	Cardiff 18/7/36 R. Wright.	TOWLINE...	130	5½	84.4	130	5½	
													HAWSERS & WARPS }	400	8"	manila	400	8"	
													"						
													"						
Iron Stream } Chain or Steel Wire }	120	4¾						120	4¾										

Steering Gear, Steam & Hydraulic
4 at 24'0" x 7'6" x 3'0" slit
Boats 2 at 18'0" x 6'3" x 2'5" wnt

Steering Gear, Hand *block + tackle*
Windlass *Emman Walker*
Shum + Hand

Ceiling in Holds, thickness and material ✓

Cargo Hatchways, (Upper Deck) *Steel plates + angles + bulb angles*
of No. 1 Hatchway (Forward) *20' x 10'0"*
No. 2 *6'0" x 4'0"*
No. 3 *0'7" plate cover*
No. 4
No. 5
No. 6

Thickness of Hatches *32"*
64 steel plates + oil cargo hatches
to Fore Head hatch

Number of Shifting Beams and/or Fore and Afters ✓

Builder's Signature *W. Morrison*

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 *Tanker*. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been constructed in accordance with the approved plans, the Secretary's letters & generally conforms with the Society's rules for the class contemplated. The materials & workmanship are good. The weather decks clear of oil tanks, and W.T. bulkhead above peak tank forward have been tested & found satisfactory. The peak tanks, all cargo tanks, deep tank forward, oil fuel bunkers, cofferdams, & double bottom tanks have been tested by the rules & found satisfactory. The requirements of Section 20 of the rules for steel ships, where applicable, for the carriage of oil fuel having a flash point above 160°F have been carried out. The assigned freeboards have been marked on the vessel's sides verified & cut in.

Amount of Entry Fee £ 11 : - : -
Special Survey Fee.... £ 6/11 : 7 : 3
Freight 19 - - -
Travelling Expenses, if any £ : : :

Fees applied for,
9.10. 1936
Received by me,
17.10.1936

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

I am of opinion the Vessel should be Classed + 100 A.I.
"carrying petroleum in bulk"

State whether the Vessel has been built under Special Survey *Yes*
Certificate to be sent to *See Correspondence*
Date of issue *12/10/36*

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

Committee's Minute

TUE. 13 OCT 1936

Character assigned

+ 100 A.I.

carrying petroleum in bulk

Lloyd's A.C.P.

+ dmc 10.36

Machy aft.

2 D.P. 150lb.

Longitudinal Framing
at Bottom & Deck.

C.L. oil engines

ackd
write
M.H.



© 2020

Lloyd's Register
Foundation

01263/3

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.)

The approved plans (38 in number) are enclosed herewith along with midship section & Profile & decks as built.

Forging reports attached.

Kindly return approved plans for use in the sister vessels
Nos 1506. 1508. 1514. 1516.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book +100 A.1. "Carrying petroleum in bulk"
Cruiser stern, machinery aft, Long framing at bottom & deck

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.		Weight Incl Tons	Initials	No of Cert.	Date of Test
1st Bower		63.0.14	2A	1005	24.2.36.
2nd "		52.2.21	2D	806	13.8.36.
3rd "		43.3.21	2A	1036	31.3.36.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ^{103+35 overhang} 106.5 ft., R.Q.D. ft., Bridge ^{36+65 overhang} 42.5 ft., Forecastle 44.5 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated *not joined*

No. and Material of Decks 1 deck (stl). 2nd dk (stl) clear of cargo tanks.

Official No. 164726 ; Signal Letters M.L.Z.M.
Is bottom of vessel coated with cement *part*. if not give
particulars of composition *Peak tanks - cemented. Fore tanks Bituminous enamel. 8 B. Cofferdams & Eng with cemented oil tanks Bunkers Pump Room } cement fillets.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. S.W. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. S.W. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,	4 <i>Fore tank</i>	27.0	After peak tank,	24'2"	209
Double bottom, if under Engines only,	0'F. <i>drain tank</i>	4'0	Deep tank, aft,	18'0"	183
Double bottom, if under Boilers only,	0'F. <i>tank</i>	135'0	Deep tank, forward,	33'9"	397.0.
Double bottom, forward,	75'0"	176'0	Other tanks, if fitted,		
	Total capacity of double bottom		(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 5506

Date 23.12.35

Dates of Surveys held while building

1935 Dec. 18. 27. 1936 Jan. 6. 9. 16. 22. 24. Feb. 5. 6. 10. 17. 24. Mar. 2. 3. 6. 10. 16. 17. 20. 25. 30.
Apr. 8. 15. 16. 27. 28. 29. May 4. 5. 7. 12. 28. June 5. 9. 19. July 3. 6. 10. 16. 17. 20. 21. 22. 24. 27. 28. 29.
30. 31. Aug. 4. 5. 6. 7. 10. 11. 12. 13. 14. 15. 17. 18. 19. 26. 31. Sep. 2. 9. 10. 15. 24. 25. 29. Oct. 2. 8.

Total No. of Visits 76