

Rpt. 1.
WRECK
SECTION
No. 846

STEEL STEAMER or MOTORSHIP,

WRECK
SECTION
No. 846

JUN 14 1937

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

10th June 1937

Port of *Newcastle upon Tyne*

No. 95139

Survey held at

Walker on Tyne

Date First Survey

21st August

Last Survey

8 June

1937

On the

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

M.V. "BRITISH DILIGENCE"

Machinery aft.

Single screw

State Type

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

Full Scantling

State Type of Erections

TONNAGE under
Tonnage Deck...

7422.85

CLASS

*petroleum m
bulk*

State if with freeboard
as condition of Class

No

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)

461.7

Launched *11th March 1934* Yard No. *1508*

Total

Breadth (greatest moulded)

B 61.75

Builders *Swan Hunter & Wigham Richardson Ltd.*

Gross Tonnage

8294.45

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

4935.34

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)

13.63

Port of Registry *London*

Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel

13.63

If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top
of keel

27.42

Building, afloat & in dry dock.

Draught Moulded

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 No 3.4.5.6. 28 1/2" short " No 1.2.7.8.9.		Bracket Floors, Frame	<i>none</i>	
" " from 1/2 length to Collision bulkhead	27"		" " Reversed Frame	<i>none</i>	
" " in peaks	24"		" " Vertical Struts	<i>none</i>	
" " Machinery space	30"		Centre Girder, depth and thickness amidships	63" x 54" x 46	
DE FRAMING. See also Rpt 1 * for particulars of Long framing			" " top Angles	<i>double</i> 3 1/2" x 3 1/2" x 48" x 44	
Frame Amidships, Angle, E or C	11 3 1/2 43 No 1 Tank 10 3 1/2 40 No 2 & 3 Tanks 9 3 1/2 40 upper dk.		" " bottom Angles	5 x 5" x 54" x 50	
" " Extends up to			Side Girders, No. each side and thickness	2 62" x 42" 50" x 42"	
Reversed Frame Amidships, Angle	10 3 1/2 40 upper stringer & upper dk. alt.		Margin Plate	<i>no bulge</i> depth (excl. of flange) and thickness	54
" " Extends up to			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Depth of Framing Girder	9" x 10"		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	10 x 3 1/2 x 40" 8 x 3 1/2 x 44 alt & scuffed		" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Second 'tween Decks, Angle, E or C			" " Gussets, spacing and scantling forward 1/2 len. from stem		
" " Third			Tank Side Brackets, height above base line at toe of Frame and thickness	3' 3" x 46	
Framing in Peaks, Angle or C	8 3 1/2 46		INNER BOTTOM PLATING		
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	7/8 - 4 7/8		Breadth and thickness of Middle Line Strake	70" x 52	
State if Frame Joggled	<i>Yes</i>		Thickness of remainder in Holds	52 1 1/2 under Engo	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	4 stringers in peaks 2 stringers 40" flat & web frames as appl. abaft peak bulk.		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?	<i>Yes</i>	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	3 strakes of plating increased & increased & double web frame connections as appl.		BEAMS		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships	<i>Long</i>	
Floors, Depth and thickness at mid line in Holds	WEBS TO SIDE SHELL IN LONG TANKS 1 web at mid length of tank 60" x 42 - 60 3/4 x 46 BA face bar for full height		" " in way of Bridge, Angle, E or C		
Height of Brackets at side above base line at toe of frame	2 webs at 1/2 length of tank between bottom transverse & lowest stringer		Spacing		
Middle Line Keelson, on Floors, Angles, E or C	48" 30" x 44 flg 5" on face WEBS TO SIDE SHELL IN SHORT TANKS 1 web at mid length of tank 48" 30" x 44 flg 5" on face		Second Deck, amidships, Angle, E or C		
" " Through Plate or Intercoastal Plate	SIDE SHELL STRINGERS lowest 30" x 42 3 1/2 x 3 1/2 x 44 face angle		Spacing		
" " Foundation Plate on Floors	Middle 28" x 42 3 1/2 x 3 1/2 x 44 face angle		Third Deck, amidships, Angle, E or C		
" " Flat Plate Keel Angles	upper 26" x 42 3 1/2 x 3 1/2 x 44 face angle		Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or C		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, E or C	9 x 3 x 42 40 8 x 3 x 35	
DOUBLE BOTTOM. Machinery space			Spacing	24" x 30"	
Solid Floors, thickness and spacing	42 and 62 under Engo		Bridge Deck, Angle, E or C	7 x 3 x 33 30"	
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>		Spacing		
Bracket Floors, breadth and thickness at middle line	<i>none</i>		Forecastle Deck, Angle, E or C	9 x 3 x 42 8 x 3 x 35	
" " breadth and thickness at margin plate	<i>none</i>		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.
PILLARS, No. of Rows. <i>In. Hanks at Centre Line.</i>			Stringer Plate, breadth and thickness in way of Bridge	✓	
in 'tween Decks, Size and Spacing	3 pillars at centre line in each long tank.		Thickness of Plating abreast Deck openings in way of Wells	✓	
" " " " " "	10 str. 3 1/2 x 50		Thickness of Plating abreast Deck openings in way of Bridge	✓	
" in Holds " "	1 pillar in each short tank		Thickness of Plating within line of openings...	✓	
" " " " " "			If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing	9 x 3 x 40 str. stiffeners spaced 30" apart.		Stringer Plate, breadth and thickness	✓	
Plating, thickness of	3 str. 2 1/2 x 40 3 1/2 x 40 for angle 3 str. stiffeners as appd.		If Plated, state thickness	✓	
STRINGERS AND DECKS.	4 1/2 x 42 3 1/2 x 3 1/2 x 44 double face angles.		Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness	✓	
Stringer Plate, breadth and thickness in Wells	72" x 82	72" x 72	If Plated, state thickness	✓	
" " " " in way of Bridge	82 x 98	72 x 88			
" Angle in Wells	7 7 1/2		Poop Deck.		
Thickness of Plating abreast Deck openings in way of Wells	72 through strakes		Stringer Plate, breadth and thickness	38" x 38	
Thickness of Plating abreast Deck openings in way of Bridge	58 in hatch strakes		Plating, Sheathing, material and thickness	30 x 26 where head 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 dk	

SHELL PLATING.

SCANTLINGS.						RIVETING.					
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing or to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL	53	99	82	82		double	1"	4"	Quintuple	1 1/8	5" lapped
" DBLG. (if any)		✓									
BOTTOM PLATING, No. of Strakes	2 at	.65	.56	.51	.51 at ends	double	7/8	3 1/2	Quad	7/8	3 1/2
BILGE PLATING, No. of Strakes65	.56	.51	.51 " "	"	7/8	3 1/2	"	7/8	3 1/2
SIDE PLATING, No. of Strakes63	.53	.48	.48 " "	"	7/8	3 1/2	"	7/8	3 1/2
UPPER DECK, Sheer-strake in Wells	63	108	.53	.48	.98 x .48 ends	✓	✓	✓	Single + Quintuple	1 1/8	5" 4 1/2
UPPER DECK, Sheer-strake in Bridge ...		108	.53	.48	.98 x 1.18 .48 ends	✓	✓	✓	Single	1 1/8	5
STRAKE BELOW Sheer-strake in Wells82	.53	.48	.48 ends	double	1 1/2	4 1/2	Quad	1	4
STRAKE BELOW Sheer-strake in Bridge82	.53	.48	.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 Triple upper double	3/4	2 7/8
FORECASTLE SIDE PLATING			.44	.49	.44	Single	3/4	3	Single	3/4	2 7/8

WATERTIGHT BULKHEADS.

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

STIFFENERS.

	Plating Thickness.	VERTICAL		HORIZONTAL	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
" " Second "					
" " Third "					
" " Holds	51-40	9 x 3 x 40	30"	3 str. girders as appd.	
COLLISION " (in Hold)	53-26	11 x 3 x 51 1/2	24"	4 str. 3 x 3 1/2 L	
AFTER PEAK " "	45-30	7 x 3 x 42 1/2	24"	4 x 3 x 3 1/2 L	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM				rolled bar 10 x 2 1/4
STERN FRAME { Propeller Post				blue forging 11 1/8 x 8 3/4
{ Rudder "				11 x 8 3/4
Speed of Vessel				11 1/2 knots
RUDDER—Type				cast 1/2 like rudder
" A x D				
" Diam. of head				13 1/4
" Mainpiece at top pintle				Built up rudder as has
" " heel ...				appd. plate
" how constructed				Forgings by Winton Forge.
" double or single plate				double .60
" coupling, vertical or horizontal				Longitudinal 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., Appleby Frodingham Steel Co., South Durham S. & L. Co., Dorman Long & Co., Skinningrove S. & L. Co., Cargo Fleet, Larnach & Co., Ramin & Co., Colvilles Ltd.
 Has the Steel been tested as required by the Rules? *Yes.*

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.	
														Diam.	Speng.		Number.	Diameter.
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Inches.		Inches.	
Framing of Life C																		
Frames in Bridge 'tween Decks																		
Frames from Uppermost Continuous Deck No. 1																		
BOTTONY 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.

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.

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 (37 in number) are enclosed herewith including profile & deck as built + Midship Section as built. Logging reports attached. Kindly return approved plans for use in the sister vessels No 1514 + 1516.

Note :- Midship Section as built forwarded separately.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. +100 D.I. "carrying petroleum in bulk" Curian 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.	1st Bower	2nd "	3rd "
	Weight incl. pins 67-2-0	50-1-14	44-0-0
	Surveyor Initials J. F. R.	W. H.	W. H.
	No. of test 2214	6345	6349
	Date of test 15.1.37	12.2.37	12.2.37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 106.5 ft., R.Q.D. 103 + 3.5 mhang ft., Bridge 42.8 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 1st dk. 2nd dk. clean & cargo tanks

Official No. 165466; Signal Letters G. Z. P. B. Is bottom of vessel coated with cement? Part. If not give particulars of composition. Peak tanks: — cemented. Fore tank: — Bituminous enamel. Oil tanks: — cemented. Pump Rm: — cemented.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	24.25	209
Double bottom, under Engines and Boilers,		37.0	After peak tank,	18'-0"	183
Double bottom, if under Engines only,	75'-0	4.0	Deep tank, aft,		
Double bottom, if under Boilers only,		135.0	Deep tank, forward,	33'-9"	397
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom	176.0			

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

Order for Special Survey No. 5819

Date 25.5.36

Dates of Surveys held while building

1936 Aug. 21. 31. Sep. 3. 9. 23. 25. 26. 27. 28. 29. 30. Oct. 2. 5. 6. 7. 9. 11. 16. 18. 23. 24. 27. Dec. 1. 8. 10. 14. 15. 16. 17. 18. 24. 31. 1937 Jan. 4. 11. 12. 13. 14. 18. 20. 21. 22. 25. 26. 27. Feb. 1. 2. 3. 4. 5. 8. 9. 10. 15. Mar. 5. 30. Apr. 8. 12. 15. 22. 29. May 6. 7. 21. 24. 26. 27. 28. June 8.

Total No. of Visits 69.