

STEEL STEAMER ~~OR MOTORSHIP~~

Received at London Office 27 APR 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 *22nd April 1936* Port of *Hamburg* No. *21878*
Survey held at *Hamburg* Date First Survey *3rd April 1935* Last Survey *16th April 1936*

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

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

TONNAGE under Tonnage Deck... *4342.56*CLASS *+100A1*
*with freeboard*State if with freeboard as condition of Class *Yes*Built at *Hamburg*

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

Length from fore part of stem to after part of stern

L *401.3*Launched *29th Feb. 1936* Yard No. *739*

Breadth (greatest moulded)

B *57.5*Builders *Howaldtswerke A. G.*

Total

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck

D *33.5*Owners *The United Africa Co. Ltd.*

Gross Tonnage

5204.77

Register Tonnage

*3068.37*1st Longitudinal Number (L x D) = *13440*

Managers

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

2nd Numeral L x (B + D) = *36538*

REGISTERED DIMENSIONS. FEET.

Length *402.8*Breadth *57.7*Depth *23.2*

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

*22.04*Residence *Unilever House, Blackfriars, London E.C. 4*

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

*10.77*Port of Registry *Liverpool*

If surveyed while building, afloat, or in dry dock

On stocks, afloat & in dry dock.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. mm	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. mm	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	<i>770</i>	<i>/</i>	Bracket Floors, Frame	<i>BA 250 90 10</i>	
" " from $\frac{3}{8}$ length to Collision bulkhead	<i>685</i>	<i>/</i>	" " Reversed Frame	<i>BA 230 90 11.5</i>	
" " in peaks	<i>610</i>	<i>/</i>	" " Vertical Struts	<i>L 300 x 100 x 10</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>1055 x 13</i>	
Frame Amidships, Angle, E or C	<i>180 90 13</i>	<i>/</i>	" " top Angles	<i>90 90 11.5</i>	
" " Extends up to	<i>2nd dk.</i>	<i>/</i>	" " bottom Angles	<i>100 100 13</i>	
Reversed Frame Amidships, Angle	<i>/</i>	<i>/</i>	Side Girders, No. each side and thickness	<i>1 @ 9</i>	
" " Extends up to	<i>/</i>	<i>/</i>	Margin Plate depth (excl. of flange) and thickness	<i>960 x 13</i>	
Depth of Framing Girder	<i>280</i>	<i>/</i>	" " Vertical Angle to Tank side Bracket abaft 1st from stem	<i>90 90 10.5</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	<i>180 90 8.5</i>	<i>/</i>	" " Vertical Angle to Tank side Bracket forward 1st from stem	<i>150 150 13</i>	
" " Second 'tween Decks, Angle, E or C	<i>/</i>	<i>/</i>	Continuous plate Gussets, spacing and scantling abaft 1st from stem	<i>580 to 515 plate x 11</i>	
" " Third " " "	<i>/</i>	<i>/</i>	" " Gussets, spacing and scantling forward 1st from stem	<i>700 " x 11</i>	
Framing in Peaks, Angle, E or C	<i>180 75 9</i>	<i>/</i>	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>1900 x 11.5</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>22 @ 6" dia</i>	<i>/</i>	INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes</i>	<i>/</i>	Breadth and thickness of Middle Line Strake	<i>2360 x 12.5</i>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>deep fls. and intermediate stringers as per app. plans to fr. 130</i>	<i>/</i>	Thickness of remainder in Holds	<i>10.5</i>	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>As per app. plans</i>	<i>/</i>	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>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>/</i>	<i>/</i>	Uppermost Continuous Deck, amidships in Wells, Angle, E or C	<i>250 90 10</i>	
Height of Brackets at side above base line at toe of frame	<i>/</i>	<i>/</i>	" " in way of Bridge, Angle, E or C	<i>/</i>	
Middle Line Keelson, on Floors, Angles, E or C	<i>/</i>	<i>/</i>	Spacing	<i>ev. fr.</i>	
" " Through Plate or Intercoastal Plate	<i>/</i>	<i>/</i>	Second Deck, amidships, Angle, E or C	<i>340 100 14.5</i>	
" " Foundation Plate on Floors	<i>/</i>	<i>/</i>	Spacing	<i>ev. fr.</i>	
" " Flat Plate Keel Angles	<i>/</i>	<i>/</i>	Third Deck, amidships, Angle, E or C	<i>/</i>	
Side Keelsons, No. each side	<i>/</i>	<i>/</i>	Spacing	<i>/</i>	
" " thickness of Intercoastal Plate	<i>/</i>	<i>/</i>	Fourth Deck, amidships, Angle, E or C	<i>/</i>	
" " Angles	<i>/</i>	<i>/</i>	Spacing	<i>/</i>	
DOUBLE BOTTOM.			Poop Deck, Angle, E or C	<i>/</i>	
Solid Floors, thickness and spacing	<i>10 ev. 3rd fr</i>	<i>/</i>	Spacing	<i>/</i>	
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>	<i>/</i>	Bridge Deck, Angle, E or C	<i>/</i>	
Bracket Floors, breadth and thickness at middle line	<i>790 x 10</i>	<i>/</i>	Spacing	<i>/</i>	
" " breadth and thickness at margin plate	<i>790 x 10</i>	<i>/</i>	Forecastle Deck, Angle, E or C	<i>200 75 11</i>	
			Spacing	<i>ev. fr.</i>	

PILLARS AND DECKS.				PILLARS AND DECKS.			
PILLARS, No. of Rows.		IN SHIP.	Any Departure from Approved Plans to be Noted.	PILLARS, No. of Rows.		IN SHIP.	Any Departure from Approved Plans to be Noted.
none fitted		reinforced		none fitted		reinforced	
in 'tween Decks, Size and Spacing		hatch side girders		in 'tween Decks, Size and Spacing		hatch side girders	
in Holds		end beams		in Holds		end beams	
Centre Line Bulkhead.		in holds		Centre Line Bulkhead.		in holds	
Stiffeners and Spacing		115 90 125		Stiffeners and Spacing		115 90 125	
Plating, thickness of		9.5		Plating, thickness of		9.5	
STRINGERS AND DECKS.				STRINGERS AND DECKS.			
Uppermost Continuous Deck.		1750 x 15.5		Uppermost Continuous Deck.		1750 x 15.5	
Stringer Plate, breadth and thickness		1750 x 15.5		Stringer Plate, breadth and thickness		1750 x 15.5	
in way of Bridge				in way of Bridge			
Angle in Wale		150 150 155		Angle in Wale		150 150 155	
Thickness of Plating/abreast Deck openings		12		Thickness of Plating/abreast Deck openings		12	
Thickness of Plating abreast Deck openings		11		Thickness of Plating abreast Deck openings		11	
Thickness of Plating within line of openings		9.5		Thickness of Plating within line of openings		9.5	
If Sheathed, material and thickness				If Sheathed, material and thickness			
Second Deck.		2050 x 10		Second Deck.		2050 x 10	
Stringer Plate, breadth and thickness		2050 x 10		Stringer Plate, breadth and thickness		2050 x 10	

SCANTLINGS.				RIVETING.			
STRAKES.		AS IN VESSEL.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.	
		AMIDSHIPS.	FORWARD.				
		Breadth.	Thickness.				
		Inches.	mm.				
FLAT PLATE KEEL		1200	18.5	Double		25 22	4 4 1/2
DBLG. (if any)				Double		22	4 3 1/2
BOTTOM PLATING, No. of Strakes		14.5	16	Double		22	4 3 1/2
BILGE PLATING, No. of Strakes		14.5	12	Double		22	4 3 1/2
SIDE PLATING, No. of Strakes		14.5	11.5	Double		22	4 3 1/2
UPPER DECK, Sheer-strake in Wale		17.0	16.5	Double		22	4 3 1/2
UPPER DECK, Sheer-strake in Bridge		21.0	15.5	Double		22	4 3 1/2
STRAKE BELOW SHEER-strake in Wale		21.0	15.5	Double		22	4 3 1/2
STRAKE BELOW SHEER-strake in Bridge		21.0	15.5	Double		22	4 3 1/2
POOP SIDE PLATING				Double		22	4 3 1/2
BRIDGE SIDE PLATING				Double		22	4 3 1/2
FORECASTLE SIDE PLATING				Double		22	4 3 1/2

WATERTIGHT BULKHEADS.				FORGINGS AND CASTINGS.			
Total No. of W.T. BULKHEADS in Vessel		ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		Casting or Forging.		Maker's Name.	
Extending to Upper Deck (Sec. 3 c)							
Deck next below							
As per Rule							
One - collision buld							
Six							
Six							
STIFFENERS.		VERTICAL.		HORIZONTAL.			
		Plating Thickness.	Scantlings.	Plating Thickness.	Scantlings.		
		mm.	mm.	mm.	mm.		
MIDSHIP BULKHEAD, Upper 'tween decks		11.6.5	280 x 90 x 11.5	750			
Second							
Third							
Holds							
COLLISION		12.5.8	280 x 90 x 11.5	750			
AFTER PEAK		20.7.5	280 x 90 x 11.5	750			
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)							
Has the Steel been tested as required by the Rules?							

EQUIPMENT No. 39101										LETTER A.P. 11		ANCHORS.			
Number of Certificate.		Anchors.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.		Makers.		Where and when tested and Superintendent.	
35463	1st Bower	59	2	0	-	-	53	10	0	0	59	10	0	0	10-10-35
35465	2nd "	59	1	21	-	-	53	10	0	0	59	10	0	0	10-10-35
35468	3rd "	59	1	0	-	-	48	10	0	0	59	10	0	0	10-10-35
35473	Stream	19	2	21	4	3	21	10	2	14	19	2	14	14-10-35	

CHAIN CABLES.										HAWERS 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 per Table 53.	
		Length. Diam.		Tons. qrs. lbs.		Tons. qrs. lbs.		Length. Diam.		Tons. qrs. lbs.		Tons. qrs. lbs.		Tons. qrs. lbs.		Length. Diam.		Tons. qrs. lbs.	
36426	270	2 1/2	10 1/2	12 1/2	806	3	14	720	2 1/2	10 1/2	12 1/2	806	3	14	720	2 1/2	10 1/2	12 1/2	806
										Steering Gear, Steam by Atlas Werke, Bremen Steering Chains, Size and Test 2" W.P. in way of hatchway, Cargo Batts, thickness, material and spacing 2" x 6" W.P. 9" clear space Ceiling in Holds, thickness and material 2 1/2" W.P. in way of hatchway, Cargo Batts, thickness, material and spacing 2" x 6" W.P. 9" clear space Cargo Hatchways, (Upper Deck) 29' 2" x 20' No. 2 30' 3" x 20' No. 3 No. 4 40' 4" x 20' No. 5 22' 7" x 20' No. 6 Size of No. 1 Hatchway (Forward) 29' 2" x 20' No. 2 30' 3" x 20' No. 3 No. 4 40' 4" x 20' No. 5 22' 7" x 20' No. 6 Number of Shifting Beams and Fore and Afters Four @ Nos 1 & 2 Six @ No 4 Three @ No 5 hatchway Builder's Signature Howaldts Werke A.G.									

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 No

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo Yes, vegetable oil in deep tanks about machinery space

This vessel has been built in accordance with the approved plans, the Secretary's letters of various dates and in accordance with the Rules and regulations for the class contemplated. The workmanship and materials are good. The double bottom tanks under holds have been constructed for the carriage of oil fuel, F.P. above 150°F, in accordance with Sec. 20 of the Rules, but the owners do not intend to fit the vessel for the carriage of oil fuel at this time. Deep tanks for the carriage of vegetable oil are arranged about the machinery space, the requirements of Sec. 20A of the Rules having been complied with. Bulkheads, decks, W.T. door the double bottom, deep and peak tanks, the steering gear and windlass have been tested as required by the Rules with satisfactory results. A number of items of minor structural importance have been efficiently welded with approved electrodes.

The freeboard assigned by the Committee has been marked on the ships sides, checked and found in order. The vessel is fitted with Wireless Telegraphy and Direction Finding apparatus.

The amount of Entry Fee £ 180.- Fees applied for, 27.4.1936

Freeboard £ 320.- Received by me, 22.5.1936

Special Survey Fee £ 6602.50 I am of opinion the Vessel should be Classed +100A1 with freeboard

Travelling Expenses, Land & Sea : 93.50

State whether the Vessel has been built under Special Survey Yes

Certificate to be sent to Hamburg Office Date of issue 22/5/36

Committee's Minute 1 MAY 1936

Character assigned +100A1 with freeboard

Can't Vegetable Oil in Deep Tank

Lloyds A & CP. + Linc. 4.36.2 D.C.

Surveyor to Lloyd's Register of Shipping. R.B. Shephard

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.)

Forwarded herewith:-

X Copy of interim certificate
X Midships section as built
XXX Four forging and casting certificates

Approved plans (twenty five):-

XXX Midships section - three plans
XXX Profile & Decks - three plans
X Alternative arrangement of painting stringers
X Double bottom strengthening forward.
X Deep tank bulkheads
X Deep tank hatch covers - two plans.
X Transverse bulkheads - two plans
X Hatchways - three plans
X Hatchway in tonnage well
X Sternframe
X Stem - two plans
X Rudder
X Sternframing
XXX Air sounding, filling & overflow pipes - three plans

This vessel is a sister ship to Messrs Howaldtswerke's No 738 "GUINEAN"
see Ham Rpt No. 21844.

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

Carrying Vegetable Oil in Deep Tanks
Cruiser Stern - Lloyds A+C.P.
D.F.

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

1st Bower. Head 44-1-10 N.S. 989, 23.8.35 Shank 20-2-10 N.S. 993, 23.8.35
2nd " " 44-0-24 N.S. 990, 23.8.35 " 20-2-26 N.S. 994, 23.8.35
3rd " " 38-0-26 N.S. 996, 23.8.35 " 17-2-11 N.S. 997, 23.8.35

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 45 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks

1 Dk + Shelter Dk.

Official No. 164284

Signal Letters

GYRN

Is bottom of vessel coated with cement

Yes, except in Dry Tanks if not give

particulars of composition

Dry Tanks under boiler space coated with bitumastic

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	111	292		Fore peak tank,	21	248	
Double bottom, under Engines and Boilers, feed & dry tanks	43	203		After peak tank,	20	144	
Double bottom, if under Engines only,	✓	✓		Deep tank, aft,	25	893	
Double bottom, if under Boilers only,	✓	✓		Deep tank, forward,	✓	✓	
Double bottom, forward,	187	684		Other tanks, if fitted,	✓	✓	
	Total capacity of double bottom	1179		(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. 155

Date 15.1.35

Dates of Surveys held while building

1935 April 3, 8, 10, 12, 15, 18. May 9. June 6, 11, 13. July 2, 5, 19, 22, 25, 29, 31. Aug 5, 6, 10, 12, 16, 19, 20, 21, 23, 27, 29. Sept 2, 16, 18, 23, 26. Oct 5, 8, 11, 15, 18, 23, 26, 31. Nov 2, 7, 12, 15, 19, 22, 27, 29. Dec 2, 3, 4, 7, 11, 13, 18, 20, 23, 30. 1936 Jan 2, 7, 9, 10, 11, 13, 14, 16, 17, 20, 21, 24, 29, 31. Feb 1, 6, 10, 13, 15, 20, 22, 28, 29. Mar 2, 5, 13, 19, 20, 24, 27, 30. April 1, 6, 14, 16

Total No. of Visits 94