

## STEEL STEAMER or MOTORSHIP.

Received at London Office 11-6-1938

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

5 : 7 : 38

Port of **GLASGOW.**No. **59970**Survey held at **GLASGOW**

Date First Survey

20<sup>th</sup> May 1937

Last Survey

29<sup>th</sup> June

1938

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

**TWIN SCREW****"RAFAELA"****(MACHINERY AFT)**

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

**FULL SCANTLING.**State Type of Erection **POOP, TRUNK & FOCE.**

TONNAGE under Tonnage Deck

**2272.86**CLASS **100A1**

"CARRYING PETROLEUM IN BULK" as condition of Class

No.

Built at **SCOTSTOWN GLASGOW.**

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

Length from fore part of stem to after part of stern }  
most on summer L.W.L. See Sec. 3 (1a) }L **335.0**Launched **19<sup>th</sup> APRIL 1938** Yard No. **50**

Total

**2272.86**

Breadth (greatest moulded)

B **56.0**Builders **BLYTHSWOOD SHIPBUILDING CO LTD**

Gross Tonnage

**3176.83**

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

D **14.79**Owners **CURACOSCHE SCHEEPVAART MAATSCHAPPIJ.**

Register Tonnage

**1557.77**

1st Longitudinal Number (L x D)

= **4955**

Managers

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

2nd Numeral L x (B + D)

= **23715**Residence **DUTCH WEST INDIES.**

## REGISTERED DIMENSIONS.

METRES FEET.

Length **102.58 = 336.55**Breadth **17.12 = 56.17**Depth **4.60 = 15.09**

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

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

**22.65**Port of Registry **WILLEMSTAD.**

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.
<b>FRAMES, Spacing amidships</b>	<b>27"</b>	<b>✓</b>	<b>Bracket Floors, Frame</b>		
" " from <b>FRAME 127</b> length amidships to Collision bulkhead	<b>24"</b>	<b>✓</b>	" " Reversed Frame		
" " in peaks	<b>24"</b>	<b>✓</b>	" " Vertical Struts		
<b>LONGITUDINAL FRAMING AT BOTTOM IN CENTRE TANKS, &amp; AT TANK D &amp; TRUNK SIDES.</b>			<b>Centre Girder, depth and thickness amidships</b>	<b>33"</b>	<b>55</b> ✓
<b>SIDE FRAMING IN WING TANKS.</b>			" " top Angles	<b>3 1/2</b>	<b>3 1/2</b> 56 ✓
Frame Amidships, Angle, E or F	<b>8</b> <b>3</b> <b>36</b>	<b>✓</b>	" " bottom Angles	<b>4</b>	<b>4</b> 46 ✓
Frame Sides, Angle, E or F	<b>6</b> <b>3</b> <b>36</b>	<b>✓</b>	<b>Side Girders, No. each side and thickness</b>	<b>2</b>	<b>4</b> 46 ✓
Frame Bottom & Sides	<b>8</b> <b>3</b> <b>36</b>	<b>✓</b>	<b>Margin Plate depth (excl. of flange) and thickness</b>		<b>50</b> ✓
Extends up to	<b>UPPER DE.</b>		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<b>6 1/2</b>	<b>6 1/2</b> 56 ✓
<b>"SIDE FRAMES IN E &amp; B SPACE</b>			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		✓
Reversed Frame Amidships, Angle	<b>9</b> <b>3 1/2</b> <b>40</b>	<b>✓</b>	" " Gussets, spacing and scantling abaft 1/2 len. from stem		✓
Extends up to	<b>POOP DE.</b>		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		✓
<b>SIDE FRAMES IN HOLD FORWARD</b>			<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	<b>68 1/2</b>	<b>50</b> <b>40</b> ✓
Depth of Framing Girder	<b>6</b> <b>3</b> <b>30</b>	<b>✓</b>	<b>INNER BOTTOM PLATING.</b>		
<b>SIDE STRINGER IN WING TANKS.</b>			Breadth and thickness of Middle Line Strake		<b>56</b>
Frames in Uppermost Continuous tween Decks, Angle, E or F	<b>18</b> <b>34</b>	<b>✓</b>	Thickness of remainder in Holds		<b>50</b> ✓
Second tween Decks, Angle, E or F	<b>18</b> <b>34</b>	<b>✓</b>	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E & B. space and framing in Tanker and Boiler Room?	<b>YES</b>	✓
<b>STRUTS IN WING TANKS.</b>			<b>BEAMS.</b>		
Third	<b>2</b> <b>3</b> <b>36</b>	<b>✓</b>	<b>Uppermost Continuous Deck, amidships in WING TANKS.</b>	<b>7</b> <b>3</b> <b>34</b>	✓
Frames from 1/2 len. for'd. to 15% len. from Stem	<b>8</b> <b>3</b> <b>36</b>	<b>✓</b>	" " in way of Bridge, Angle, E or F	<b>6</b> <b>3</b> <b>30</b>	✓
" in Peaks, Angle or F	<b>6</b> <b>3</b> <b>30</b>	<b>✓</b>	Spacing	<b>EVERY FRAME.</b>	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<b>3/4 R</b> <b>4 1/2"</b>	<b>✓</b>	<b>TRUNK DECK &amp; TRUNK SIDE LONGITUDINALS.</b>		
State if Frame Joggled	<b>YES.</b>	<b>✓</b>	Second Deck, amidships, Angle, E or F	<b>AS PER PAGE 4</b>	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<b>AS APP<sup>d</sup>.</b>	<b>✓</b>	Spacing		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<b>AS APP<sup>d</sup>.</b>	<b>✓</b>	<b>Third Deck, amidships, Angle, E or F</b>		✓
<b>SINGLE BOTTOM. IN FORWARD HOLD.</b>			Spacing		
Floors, Depth and thickness at mid-line in Holds	<b>29"</b> <b>38</b>	<b>✓</b>	<b>Fourth Deck, amidships, Angle, E or F</b>		✓
Height of Brackets at side above base line at toe of frame	<b>47"</b>	<b>✓</b>	Spacing		
Middle Line Keelson, on Floors, Angles, E or F	<b>29"</b> <b>40</b>	<b>✓</b>	<b>Poop Deck, Angle, E or F</b>	<b>8</b> <b>3</b> <b>36</b>	✓
" " Through Plate or Intercoastal Plate	<b>36</b> <b>46</b>	<b>✓</b>	Spacing	<b>EVERY FRAME.</b>	✓
" " Foundation Plate on Floors	<b>3 1/2</b> <b>3 1/2</b> <b>46</b>	<b>✓</b>	<b>Bridge Deck, Angle, E or F</b>		✓
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side	<b>3</b>		<b>Forecastle Deck, Angle, E or F</b>	<b>8</b> <b>3</b> <b>40</b>	✓
" thickness of Intercoastal Plate	<b>36</b>		Spacing	<b>EVERY FRAME</b>	✓
" Angles	<b>B.A.</b> <b>10</b> <b>3 1/2</b> <b>44</b>				
<b>SINGLE BOTTOM FLOORS &amp; GIRDERS UNDER ENGINES AS PER APP<sup>d</sup> PLAN.</b>					
<b>DOUBLE BOTTOM. ONLY IN BOILER SPACE</b>					
Solid Floors, thickness and spacing	<b>50</b> <b>EVERY FRAME</b>	<b>✓</b>			
" Are Frame and Reversed Frame joggled?	<b>YES</b>	<b>✓</b>			
Bracket Floors, breadth and thickness at middle line					
" breadth and thickness at margin plate					



## 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.
<b>PILLARS, No. of Rows</b> .....	1	Row		✓	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 .....			59	✓
" " " " " "		✓		✓	<del>TRUNK SIDE ANGLE</del> Thickness of Plating abreast Deck openings in way of Bridge .....	6	6	50	✓
" in Holds (CENTRE TANKS)	10 × 3½ × 3½ × 36"	8 × 3½ × 3½ × 41"	✓	✓	Thickness of Plating within line of openings...		✓		
" " " " " "	AT EACH TRANSVERSE. ✓				If Sheathed, material and thickness .....		✓		
<b>LONGITUDINAL</b> <b>Centre Line Bulkhead. (P&amp;S)</b>					<del>TRUNK SIDE</del> <del>Third Deck.</del> PLATING				
Stiffeners and Spacing..... B.A. 6 × 3 × 36	EVERY FRAME. ✓				Stringer Plate, breadth and thickness.....			57	✓
Plating, thickness of .....	39			✓	If Plated, state thickness... <del>DECK ANGLE</del>	6	6	48	✓
<b>STRINGERS AND DECKS.</b>					<b>Fourth Deck.</b>				
<b>Uppermost Continuous Deck.</b>					Stringer Plate, breadth and thickness.....		✓		
Stringer Plate, breadth and thickness in Wells	78	45		✓	If Plated, state thickness .....		✓		
" " " " in way of Bridge		✓			<b>Poop Deck.</b>				
" Angle in Wells .....	5	5	45	✓	Stringer Plate, breadth and thickness .....				
Thickness of Plating abreast Deck openings) in way of Wells <del>TRUNK</del> .....			45	✓	Plating, Sheathing, material and thickness ...	60	2	40	✓
Thickness of Plating abreast Deck openings) in way of Bridge .....		✓			<b>Bridge Deck.</b>				
Thickness of Plating within line of openings...		✓			Stringer Plate, breadth and thickness.....		✓		
If Sheathed, material and thickness .....		✓			Plating, Sheathing, material and thickness ...		✓		
<del>TRUNK</del> <b>Second Deck.</b>					<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness in Wells...	83½	60		✓	Stringer Plate, breadth and thickness.....	34"		32	✓
					Plating, Sheathing, material and thickness ...	32	2	26	✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>No</i>	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 .....	77	59 ✓	49 ✓	49 ✓		DOUBLE	7/8	3 3/8	✓	3R	7/8	3 3/8	LAPPED.
" <del>DBLG.</del> (if any)													
	3 2	45 ✓	44 ✓	39 ✓	3 STRAKES BOTTOM SHELL (P&S) FORWARD OF 1/2 LTH TO COLLISION	B49	49 ✓						
BOTTOM PLATING, No. of Strakes ... 4 .....	1 2	47	40	41 ✓		DOUBLE	3/4	2 7/10	✓	3R - 2R	3/4	2 5/8	✓
BILGE PLATING, No. of Strakes ..... 1 .....		47 ✓	40 ✓	41 ✓		"	"	"	✓	" "	"	"	✓
SIDE PLATING, No. of Strakes ..... 1 .....		44 ✓	38 ✓	38 ✓		"	"	"	✓	" "	"	"	✓
UPPER DECK, Sheer-strake in Wells .....		44 ✓	38 ✓	38 ✓	70 AT POOP FRONT.								
UPPER DECK, Sheer-strake in Bridge ...													
STRAKE BELOW SHEER-strake in Wells .....													
STRAKE BELOW SHEER-strake in Bridge ...													
POOP SIDE PLATING .....				58 ✓	48 ✓	DOUBLE	3/4	2 7/10	✓	3R - 2R	3/4	2 5/8	✓
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING			38 ✓			SINGLE	3/4	3.0	✓	1R	3/4	2 5/8	✓

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel 12  
 Extending to Upper Deck (Sec. 3 c) 12  
 .. Deck next below ✓  
 As per Rule 12.

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar ✓				
STEM	ROLLED STEEL	$7\frac{1}{2} \times 2$		
STERN FRAME	SHAFT BRACKETS. Propeller Post	CASTING	AS PER 3/4 UNION DES REIERIOS.	
	Rudder	CASTING	AS PER App <sup>d</sup> PLAN.	0°
Speed of Vessel	10K			
RUDDER—Type.	ORDINARY.			
" A x D	✓			
" Diam. of head	FORGING	$11\frac{1}{8}$ "	WILTON	
" Mainpiece at top pintle	"	$12\frac{1}{8}$ "	FORGE	
" " heel	"	$8\frac{3}{8}$ "	ROTTERDAM.	
" how constructed	BUILT	FORGING.		
" <del>double or</del> single plate		1-06		
" coupling, vertical or				
" horizontal		HORIZONTAL.		

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks						
"	"	<del>Second</del>	"			
"	"	<del>Third</del>	} CENTRE TANK	$11 \times 3\frac{1}{2} \times 44$ BA To $6 \times 3 \times 44$ ANG in TRUNK	$2' - 4\frac{1}{8}$ SHELF PLATE AT UP' DE BETWEEN TRUNK SIDES.	
"	"	Holds		$6 \times 3 \times 35$ BA B.A.	$2' - 2\frac{1}{2}$ ONE GIRDER AS APP'	
COLLISION						
"	"	(in Hold) N <sup>o</sup> . 138	42 - 34	$7 \times 3 \times 34 \times 38$ To $9 \times 3\frac{1}{2} \times 52$ BA	$29"$ N.T. FLAT.	✓
AFTER PEAK						
"	"	.....	60 - 30	$6 \times 3 \times 40$ BA To $6 \times 3 \times 40$ BA	$24"$ ✓	✓

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH. ✓  
STEEL COMPANY OF SCOTLAND L<sup>d</sup> ; LANARKSHIRE STEEL CO. L<sup>d</sup> ; COLVILLES LTD.

Has the Steel been tested as required by the Rules? YES.



## 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. Inches.	Rivets in Brackets to Bulkheads.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam. Ins.	Speng. Ins.		Number.	Diameter. Inches.
Framing of <b>L, L or E</b> .....		LONGITUDINAL FRAMING ON BOTTOM IN CENTRE TANKS, AND TRUNK DECK & TRUNK SIDES ONLY.											
Frames in Bridge 'tween Decks ...		CENTRE GIRDER INTERCOSTAL BETWEEN BHD'S & TRANSVERSES. 30 1/2" x 40"											
Frames from Uppermost Continuous Deck		TOP ANGLE 6 x 3 x 40" BOTTOM ANGLES 3 1/2 x 3 1/2 x 50 (BHD'S TO BHD'S)											
No. 1		11	3 1/2	48	11	3 1/2	48	✓	7/8	5/16	9R & 11R @ 3 3/8"	14	7/8"
" 2		11	3 1/2	48	11	3 1/2	48	✓	3/4	4/20	12R (BHD'S) @ 2 7/8" 2 7/8" 10R (TR'S) @ 2 7/8" AS APP'D.	"	"
" 3		11	3 1/2	48	11	3 1/2	48	✓	"	"	"	"	"
" 4		11	3 1/2	48	11	3 1/2	48	✓	"	"	"	"	"
" 5		11	3 1/2	48	11	3 1/2	48	✓	"	"	"	"	"
" 6		11	3 1/2	48	11	3 1/2	48	✓	"	"	"	"	"
" 7		LONGITUDINAL O.T. BULKHEAD (P & S). ✓											
" 8		TRANSVERSE FRAMING IN WING TANKS. ✓											
" 9													
" 10													
" 11													
" 12													
" 13													
" 14													
" 15													
" 16													
Spacing of Longitudinal Frames		Amidships .....			At Ends .....								
		29"			29"								
Double Bottoms		DOUBLE BOTTOM ONLY UNDER BOILERS. ✓											
L, L or C		TRANSVERSE FRAMING AS PER PAGE 1. ✓											
Spacing of Longitudinals		Amidships			At Ends...								
Transverses.													
Side (in 'tween Decks)													
Depth and Thickness													
Face Angles .....													
Lugs to Shell* .....													
CENTRE TANKS													
Side (in Hold)													
Depth and Thickness		21"	x	40	21"	x	40	✓					
Face Angles .....		3 1/2	3 1/2	40	3 1/2	3 1/2	40	✓					
Lugs to Shell* .....		6 1/2	6 1/2	55	6 1/2	6 1/2	55	✓					
CONNECTION TO WING LONG. BHD'S		6	4	53	6	4	53	✓					
Bottom													
Depth and Thickness		42"	x	44	42"	x	44	✓					
Face Angles .....		6	4	67	6	4	67	✓					
Lugs to Shell* JOGGLED		6	6	44	6	6	44	✓					
" " Back Bars ...		AS PER APPROVED PLAN. ✓											
Brackets .....		44											
Spacing of Transverse Frames .....		11'-3"; 9'-0"; 11'-3"; 11'-3"; 9'-0"; 11'-3"											
* State if jogged or liners.													
TRUNK DECK & TRUNK SIDES.													
Longitudinals													
Beams of													
L, L or E													
TRUNK DECK		7	3	34	7	3	34	✓					
TRUNK SIDES		8	3	43	8	3	43	✓					
Upper													
Second													
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EQUIPMENT No 25533 ✓										LETTER v ✓		ANCHORS.					
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE & AS APP <sup>d</sup>	Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.						
37172	1st Bower ...	49	0	21	✓	STOCKLESS	✓	41	18	0	14	✓	48 3/4 ✓	BYERS IMPROVED	NOT STATED	SUNDERLAND 19.5.37 J. H. BUTLER	
37216	2nd „ ...	48	3	0	✓	„	✓	41	11	3	14	✓	48 3/4 ✓	D°	D°	D° 1.6.37	
37214	3rd „ ...	48	3	0	✓	„	✓	41	11	3	14	✓	48 3/4 ✓	D°	D°	D° 4.5.37	
	Collective weight.	146	2	21	✓		✓					✓	146 1/4 ✓				
51048	Stream .....	16	1	0	✓	4	0	16	17	11	3	14	✓	16 1/4	ORDINARY	D°	CRADLEY HEATH 10.11.37 S. C. PAUL
51000	KEOGE	8	2	0	✓	2	0	16	10	12	2	0	✓	8 1/2 ✓	D°	D°	D° 28.10.37
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.	Ins.		Length.	Ins.	Length.	Ins.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
39640	225	2"	72.0	100.8	458-1-21 ✓	538 3/4	270	12"	STUD LINK	NOT STATED.	CARDIFF 28-2-38								
36681	15 3/8	"	"	"	31-0-13 ✓				"	" "	L.L. WRIGHT.	TOWLINE...	120	4"	33.2	120	4		
36755	15 1/2	"	"	"	31-0-10 ✓				"	" "	D° 12-1-37								
36756	15 1/2	"	"	"	31-1-14 ✓				"	" "	D° 24-3-37	HAWSERS & WARPS }	42	90	2 1/2	13.2	42	90	2 1/2
	271 3/8				551-3-25 ✓				"	" "	D° 24-2-37								
		Cir.						Cir.				"							
Stream Chain or Steel Wire	90	4 1/2	45.3				90	4 1/2	A.S.H.			"							

Steering Gear, Type (Power ~~or hand~~) BY HASTIE & CO. LD. Alternative Means of Steering HAND BY HASTIE & CO. LD. ALSO BY RELIEVING TACKLE TO AFTER WINCH.

Steering Chains (Size and Test) TELEMOTOR GEAR. Windlass STEAM BY EMERSON WALKER LD. Boats 2 LIFEBOATS.

Ceiling in Hold, thickness and material NONE Cargo Battens, thickness, material and spacing NONE.

W.T. & O.T. (TRUNK DECK) B.A. CORRINGS. Thickness of Hatches HINGED STEEL H-T & O.T. COVERS.

Cargo Hatchways. (Upper Deck) STEEL PLATE CORRINGS & ANGLES.

Size of Hatchways No. 1 (Fwd.) 6'0" x 9'8" To HOLD } TRUNK DECK No. 2 4'0" x 3'0" HATCHES ON TRUNK DECK TO CENTRE TANKS No. 3 4'0" x 3'0" HATCHES ON UPPER DECK TO WING TANKS No. 4 6'0" x 2'6" No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters

Builder's Signature John W. Stewart Secretary

BLYTHSWOOD SHIPBUILDING CO. 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 YES

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo 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 as fuel is carried in Deep Tank at fore end of Machinery Space. ✓ Oil as cargo is carried in Nos 1, 2, 3, 4, 5 & 6 Centre Tanks & in Nos 2 & 3 Wing Tanks. Flash Point above 150°F.

The vessel has been built in accordance with the Approved Plans, the Secretary's Letters of various dates & in general conformity with the Society's Rules for the class contemplated. ✓

The materials & workmanship are good. ✓

The Fore Peak Tank, After Peak Tank, Feed Tanks in double bottom under Boilers, Wing Ballast Tanks Nos 1 & 4, Oil Fuel Bunker, Large Oil Tanks, & Cofferdam were tested as required by the Rules & found satisfactory. Section 20 of the Rules complied with.

Weather Decks & Bulkheads were hose tested & found satisfactory. ✓

Freeboard verified & marks cut in.

Windlass & Steering Gear tried under working conditions & found satisfactory.

Interim Certificate issued. Copy attached.

The amount of Entry Fee ..... £ 7 : 0 : 0 Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee.... £ 350 : 14 : 0 Received by me, 9/7/38

FREEBOARD. Travelling Expenses, if any £ 14 : 0 : 0

I am of opinion the Vessel should be Classed 100 A1 "CARRYING PETROLEUM IN BULK" ✓

"LONGITUDINAL FRAMING AT BOTTOM IN CENTRE TANKS & IN TRUNK" ✓

FITTED FOR OIL FUEL 7.38 F.P. ABOVE 150°F.

Signature P. Dunsmuir.

Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey YES.

Certificate to be sent to GLASGOW Date of issue 26/8/38

Committee's Minute GLASGOW 5 - JUL 1938

Character assigned 100 A1

6.38

Carrying Petroleum in bulk

Lloyd's Assoc

+ L.M.C. 7.38 FD

Longitudinal Framing at Bottom in Centre Tanks & in Trunk

Fitted for oil fuel 7.38 F.P. above 150°F

The Surveyor, after examining the Vessel, is of opinion that she complies with the Rules of the Society for the class contemplated.



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.)

- List of Plans. —
- 1 Midship Section.
  - 2 Profile & Decks.
  - 3 After end profile
  - 4 Fore end profile
  - 5 Rudder & Sternframe
  - 6 Propeller brackets.
  - 7 Scheme of multiple riveting of bottom shell.
  - 8 " " " " No. 1 Tank.
  - 9 Riveting list
  - 10 After end framing, aft peak bulkhead & transverse bulkhead.
  - 11 Tank top, centre girder, side girders & framing in machinery space.
  - 12 Transverse O.T. Bulkhead.
  - 13 Stiffening on bottom between 113 & 127 frames.
  - 14 Framing in way of Oil Bunker.
  - 15 Fore end framing, forward bulkhead & decks.
  - 16 E & B. Lacing
  - 17 O.T. Hatches on trunk deck.
  - 18 Shelf plate at upper deck level & side stringer connections to bulkheads.
  - 19 Quadrant & Tiller
  - 20 Emergency Steering
  - 21 Pumping Arrangements.

— Forgings & Castings —

Sternframe  
Rudder Head & Mainpiece  
Propeller brackets  
Quadrant & Tiller  
Crosshead (Screw Gear)

PARTICULARS OF ELECTRIC WELDING (if employed)

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

"CARRYING PETROLEUM IN BULK" ✓ "LONGITUDINAL FRAMING AT BOTTOM IN CENTRE TANKS & IN TRUNK" ✓ ~~MANY AFF.~~ ✓  
FITTED FOR OIL FUEL. 75 F.P. ABOVE 150° FHT. LLOYDS A & C.P. ✓ WIRELESS.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	WEIGHT HEAD & PIN.	SURV. INITIALS	CERT. NO.	DATE OF TEST.
		32 - 0 - 21 ✓	J. D.	821	30.8.35
	2nd "	32 - 0 - 21 ✓	J. D.	1114	9.7.36
	3rd "	32 - 1 - 21 ✓	R. L.	5171	5.11.36

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 91'25 ft., R.Q.D. ✓ ft., TRUNK BRIDGE 204'0 ft., Forecastle 41'0 ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. Signal Letters **PJCN** Extreme Breadth over Belting (Circ. 1611) ✓  
No. and Material of Decks **1 DK** ✓ {Over-all Length 351'5 ft. ✓  
(Circ. 1703) INCLUDING RUDDER.  
Parts of Bottom of Vessel coated with cement or approved composition Portland Cement in Fore Peak, After Peak, Hold space forward.  
No. 1 & 4 wing ballast tanks, & No. 3 Tank under boilers.  
Particulars of composition (if fitted) and of approval Bituminous enamel on bottom in Engine Space. ✓ ~~1st Cem. 1st an~~

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		120'6
Double bottom, under Engines and Boilers,			After peak tank,		105'3
Double bottom, if under Engines only,			Deep tank, aft, No. 1 Wing (P&S)	31'5	292'6
Double bottom, if under Boilers only,	13'5	20'6	Deep tank, forward, No. 4 Wing (P&S).	63'0	561'6
Double bottom, forward,			Other tanks, if fitted, S.W. TANKS IN POOP.	6'75	8'12
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 6355

Date 26.2.37

Dates of Surveys held while building

1937 May: 20 June: 10.24.28.30 July: 2.6.7.12.29 Aug: 2.5.9.16.25.27.31 Sep: 2.6.10.13  
16.20.22.24.30 Oct: 4.6.8.12.15.18.20 Nov: 3.8.10.16.19.23.25.30 Dec: 1.3.9.15.21.24  
28.29 (1938) Jan: 6.11.14.18.20.24.25.26.27.31 Feb: 2.3.4.7.8.10.11.14.16.18.21.22.24  
25 Mar: 2.8.11.15.18.29 Apr: 1.6.8.13.15.19.28 May: 9.12.27 June: 3.8.13.17.29

Total No. of Visits 94