

STEEL STEAMER or ~~MOTORSHIP~~.

Received at London Office 20 MAR 1935

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

16TH MARCH 1935.

Port of GREENOCK.

No. 19930.

Survey held at PORT GLASGOW

Date First Survey

26TH DECEMBER 1928.

Last Survey

16TH MARCH

1935.

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

SINGLE SCREW STEAMER "DARCOLM"

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

COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING. State Type of Erections F.C.L.E. ON SHELTER Dk.

TONNAGE under Tonnage Deck...

4033.04

CLASS 100 A1 WITH FREEBOARD.

State if with freeboard as condition of Class

YES.

Built at PORT GLASGOW

Launched FEBY 7TH 1935 Yard No. 409

Builders WILLIAM HAMILTON & CO LTD

Owners NEARCO SHIPPING CO LTD

Managers DOUGLAS AND RAMSEY.

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

Residence GLASGOW

Port of Registry GLASGOW

If surveyed while building, afloat, or in dry dock

BUILDING & AFLOAT.

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

Total

Gross Tonnage

4296.53

Register Tonnage

2603.37

REGISTERED DIMENSIONS. FEET.

Length

390.0

Breadth

53.0

Depth

24.7

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 388.5

Breadth (greatest moulded)

B 52.75

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

D 35.2

1st Longitudinal Number (L x D) = 13675.4

2nd Numeral L x (B + D) = 34168.57

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

23.325

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

11.03

Do. Long Bridge to top of keel

Draught Moulded

24-4 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	30	/	Bracket Floors, Frame	ANA... 6 3/2 .47	/
" " from 1/3 length to Collision bulkhead	27	/	" " Reversed Frame	ANG... 6 3 .40	/
" " in peaks	24	/	" " Vertical Struts	ANG... 6 3 .40	/
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42x .54	/
Frame Amidships, Angle, E or C	12 3 1/2 .46	/	" " top Angles	3 1/2 3 1/2 .52	/
" " Extends up to	2 ND DECK	/	" " bottom Angles	4 4 .58	/
Reversed Frame Amidships, Angle	/	/	Side Girders, No. each side and thickness	ONE @ .40	/
" " Extends up to	/	/	Margin Plate depth (excl. of flange) and thickness	38x .52	/
Depth of Framing Girder	12	/	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 6 .47	/
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	7 3 1/2 .33	/	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6 6 .47	/
" " Second 'tween Decks, Angle, E or C	/	/	" " Gussets, spacing and scantling abaft 1/4 len. from stem	.40 CONT IN NO. 14 SHOLDS	NONE ELSEWHERE
" " Third " " " "	/	/	" " Gussets, spacing and scantling forward 1/4 len. from stem	.40 CONTINUOUS	/
Framing in Peaks, Angle, E or C	7 3 1/2 .48	/	Tank Side Brackets, height above base line at toe of Frame and thickness	67 1/4 x .47	/
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 6 1/2 DIAS	/	INNER BOTTOM PLATING.		
State if Frame Joggled	YES	/	Breadth and thickness of Middle Line Strake	72x .48	/
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	DEEP FRAMING WITH 4 SIDE STRINGERS	/	Thickness of remainder in Holds	.42-.36	/
STRENGTHENING OF BOTTOM FORWARD. State Particulars	AS PER RULE & APPROVED PLAN	/	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	/
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	/	/	Uppermost Continuous Deck, amidships in Walls, Angle, E or C	7 3 .30	/
Height of Brackets at side above base line at toe of frame	/	/	" " in way of Bridge, Angle, E or C	/	/
Middle Line Keelson, on Floors, Angles, E or C	/	/	Spacing	30	/
" " Through Plate or Intercoastal Plate	/	/	Second Deck, amidships, Angle, E or C	7 3 .34	/
" " Foundation Plate on Floors	/	/	Spacing	30	/
" " Flat Plate Keel Angles	/	/	Third Deck, amidships, Angle, E or C	8 3 .40	/
Side Keelsons No. each side	/	/	IN E & B SPACE ONLY	/	/
" " thickness of Intercoastal Plate	/	/	Spacing	30	/
" " Angles	/	/	Fourth Deck, amidships, Angle, E or C	/	/
DOUBLE BOTTOM.			Spacing	/	/
Solid Floors, thickness and spacing	.40 EVERY 3 RD	/	Poop Deck, Angle, E or C	/	/
" " Are Frame and Reversed Frame joggled?	YES	/	Spacing	/	/
Bracket Floors, breadth and thickness at middle line	31 1/2 x .40	/	Bridge Deck, Angle, E or C	/	/
" " breadth and thickness at margin plate	31 1/2 x .40	/	Spacing	/	/
			Forecastle Deck, Angle, E or C	6 3 .38	/
			Spacing	27x24	/

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.....	2 ROWS	✓	Stringer Plate, breadth and thickness in way of Bridge	✓	
„ in 'tween Decks, Size and Spacing.....	WIDELY SPACED	✓	Thickness of Plating abreast Deck openings in way of Wells	38	
„ „ „ „ „	PILLARS & GIRDERS		Thickness of Plating abreast Deck openings in way of Bridge	✓	
„ in Holds „ „	AS PER APPROVED		Thickness of Plating within line of openings...	33	
„ „ „ „ „	PLAN.		If Sheathed, material and thickness	NOT SHEATHED	
Centre Line Bulkhead.			Third Deck. In Way of ENGINE & BOILERS		
Stiffeners and Spacing.....	BA 10 x 3 1/2 x 44 AND AS PER PROFILE	✓	Stringer Plate, breadth and thickness.....	38 x 90 @ BOILERS	✓
Plating, thickness of	30		If Plated, state thickness.....	30	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	57 x 56	✓	If Plated, state thickness		
„ „ „ „ in way of Bridge	✓		Poop Deck.		
„ Angle in Wells	5 5 56		Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Wells	49	✓	Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings...	37 1/2	✓	Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness	SHEATHED IN WAY OF ACCOMMODATION & OVER ACCOM. AFT	✓	Plating, Sheathing, material and thickness ...		
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	59 x 38	✓	Stringer Plate, breadth and thickness.....	34	
			Plating, Sheathing, material and thickness ...	34 NOT SHEATHED	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>No</i>			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 cr. to cr.		
	Inches.	Inches.	Inches.	Inches.									Inches.
FLAT PLATE KEEL	<i>50 1/2</i>	<i>.75</i>	<i>.65</i>	<i>.65</i>		<i>DOUBLE</i>	<i>7/8</i>	<i>3 1/3</i>	<i>QUADRUPLE</i>	<i>1"</i>	<i>4"</i>	<i>LAPPED</i>	
„ <i>Bolt. (if any)</i>													
BOTTOM PLATING, No. of Strakes	<i>THREE</i>	<i>.57</i>	<i>.48</i>	<i>.48</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>TREBLE</i>	<i>7/8</i>	<i>3 1/8</i>	<i>"</i>	
BILGE PLATING, No. of Strakes	<i>ONE</i>	<i>.57</i>	<i>.47</i>	<i>.47</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
SIDE PLATING, No. of Strakes	<i>FIVE</i>	<i>.57</i>	<i>.46</i>	<i>.46</i>	<i>ONE SEAM TREBLE RIV.</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
UPPER DECK, Sheer-strake in Wells	<i>81</i>	<i>.66</i>	<i>.46</i>	<i>.46</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>QUADRUPLE</i>	<i>"</i>	<i>3 1/2</i>	<i>"</i>	
UPPER DECK, Sheer-strake in Bridge ...													
STRAKE BELOW SHEER-strake in Wells													
STRAKE BELOW SHEER-strake in Bridge ...													
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING			<i>.40</i>			<i>SINGLE</i>	<i>3/4</i>	<i>3</i>	<i>SINGLE</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED</i>	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) ONE COLLISION 13⁴⁰ To SHELTER DR.

Deck next below Five

As per Rule Six

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D , Upper tween decks						
"	" Second "					
"	" Third "					
"	" Holds	48" x 26	15 x 4 x 38 CHAN	33.	✓	
COLLISION	" (in Hold)	55" x 34	11 x 3 1/2 x 44 BA	27	✓	ONE SEMI-BOX BEAM.
AFTER PEAK	" "	47" x 30	8 x 3 x 34 BA	26 1/2	✓	TUNNEL RECESS & ONE SEMI-BOX BEAM

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	FLAT PLATE KEEL			
STEM	ROLLED 9x2 5/8			
STERN FRAME {	Propeller Post	CASTING 10 1/2 x 7 3/8	OTTO GRUNSON	
FRAME {	Rudder	STEEL 9x7 3/8	Y Co	
RUDDER—A x D	398			
Speed of Vessel	10 1/2 KNOTS			
RUDDER mainpiece at head ...	FORGING 9 3/8	WITKOWITZER BERG		
" " heel ...	7 1/8	Y EISEN		
" how constructed	FORGED ARM SHRUNK ON MAINPIECE			
" double or single plate	SINGLE PLATE 1.06			
" coupling, vertical or	VERTICAL 8x2 7/8 BOLTS			
" horizontal				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).....OPEN HEARTH.

COLVILLES, BEARDMORE, CARMYNE, LANARKSHIRE, J. DUNLOP & CO, STEWART & LLOYDS, STEEL CO OF SCOTLAND.

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

EQUIPMENT No. 34650												LETTER Y	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			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.	Cwts.			
32981	1st Bower ...	60	1	0	Stockless			48	10	0	0	60	BYERS IMPROVED	PERIN. L BYERS	SUNDERLAND 31/30 J. H BUTLER
32982	2nd „ ...	60	1	0	„			48	10	0	0	60	„	„	„
32938	3rd „ ...	50	3	21	„			43	0	0	0	50½	„	„	„
	Collective weight.	171	1	21								170½			
62430	Stream	16	1	3	4	0	18	17	11	3	14	16¼	ORD. FGD W. I.	R. SYKES & SON	TIPTON 26/29 W. A. DRYSDALE

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.	Chr.		Length.	Chr.
No 33254	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
33254	105	2 3/16	86 1/8	20 1/2	252.3.21.	645 3/4.			270	2 7/16	STUD LINK	RSYKES & SON LTD CARDIFF 7/6/29 A. JONES		TOWLINE...	120	4 3/4	47	120	4 3/4
33366	90	2 3/16	"	12 1/8	220.2.7						"	"	" 22/6/29 "	HAWSERS & WARPS	2@90	2 3/4	15.2	2@90	2 3/4
33394	75	"	"	"	183.2.7						"	"	" 29/6/29 "	"	2@90	2 3/4	15.2	2@90	2 1/2
Don Stream Steel Wire	90	4 3/4		47	657.0.7				90	4 3/4									

Steering Gear, Steam
DONKIN & CO LTD NEWCASTLE
Boats
2 - 27' LIFEBOATS
1 - 18' DINGHY
Steering Chains, Size and Test
1 3/8" DIA, TEST 22.12.2
Windlass
CLARK CHAPMAN & CO LTD

Relieving Tackle Worked From
AFTER WINCH.

Ceiling in Holds, thickness and material
2 1/2" CEILING UNDER HATCHES & OVER BILGES
Cargo Battens, thickness, material and spacing
6x2 N.P SPACED 9" APART

Cargo Hatchways.-(Upper Deck)
STEEL PLATES & ANGLE. 30" COAMING.
Thickness of Hatches
2 1/2.

Size of No. 1 Hatchway (Forward)
27' x 22'
No. 2
35' x 22'
No. 3
15' x 22'
No. 4
32' 6" x 22'
No. 5
27' 6" x 22'
No. 6

Number of Shifting Beams
Nº1 = 5 : Nº2 = 6 : Nº3 = 2 : Nº4 = 6 : Nº5 = 5.

Builder's Signature
WILLIAM HAMILTON & CO LIMITED
Thos. Wm.

GENERAL DECLARATION. It should be stated (a) whether the vessel 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
No
The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved plans and in general conformity with the Society's Rules for the class contemplated.

The workmanship is good and the materials used throughout in the vessel's construction are also good. The double bottom tanks fore & after peak tanks have been tested to rule requirements & found satisfactory. All weather decks have been tested & found satisfactory. The hand pumps & watertight doors were tested and found satisfactory.

The freeboard has been assigned and the marks cut in on the vessel's sides after verification.

e.R.9.

The amount of Entry Fee £ 8 : 0 : 0
Special Survey Fee.... £ 289 : 17 : 0
FREEBOARD 15 0 0
Travelling Expenses, if any £ : :
Fees applied for,
9th MARCH 1935.
Received by me,
13th MARCH 1935.

I am of opinion the Vessel should be Classed
+100 A.1.
WITH FREEBOARD.

State whether the Vessel has been built under Special Survey
YES.
Signature
Kenneth Inglis.
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to
THIS OFFICE
Date of issue
28/3/35

Committee's Minute
GLASGOW 19 MAR 1935
Character assigned
+100 A1
With freeboard
3, 35.
Lloyd's A.R.C.P.
+ L.M.C. 3, 35.
T.S. (L.L.)

The Surveyors are requested not to write on or below the Committee's Minute.

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W1146 - 0037 2/2

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 a sister vessel of the SS. TEMPLE BAR. W^M HAMILTON & Co. No 401 & GREENOCK REPORT No 18881. See dimensions this vessel is 1 ft broader

The following approved plans are forwarded herewith together with plans of midship section & profile & decks as built & the forging reports of stern frame, rudder & tiller.

Midship section ✓
Profile & decks ✓
Rudder & Stern frame ✓
Bulkheads & Tunnel. ✓
Pillars & girders ✓
Pumping arrangement. ✓
Cast Steel Tiller. ✓
Hatch Plan ✓

WEIGHTS OF CHAIN CABLES IN DETAIL. (SEE OTHER SIDE)

No OF CERTIFICATE	LENGTH.	WEIGHT
33254	15 FATHOMS.	36-1-7
5	"	36-1-14.
6	"	36-2-14.
7	"	35-3-21
8	"	35-3-14
9	"	35-3-21
33260	"	35-3-14.
		<u>TOTAL 252-3-21</u>

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

WT OF ANCHOR HEAD PINS.
1st Bower 38-1-7 : K.H. : 10188 : 18.3.30.
2nd " 38-0-0 : K.H. : 10190 : 18.3.30.
3rd " 32-0-7 : K.H. : 7659 : 25.2.30.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 30-5 ft. ON SHELTER DK.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book)

1 Dk (Stl) & SHELTER Dk (Stl), 3rd Dk (Stl) IN E4 B SPACE ONLY.

Official No. 164047. : Signal Letters

Is bottom of Vessel coated with cement YES. if not give

particulars of composition CEMENT FILLETS IN DOUBLE BOTTOM TANKS CLEAR OF BOILER ROOM.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	122-6"	372.	Fore peak tank,	22-9"	153
Double bottom, under Engines and Boilers,			After peak tank,	22-0"	125
Double bottom, if under Engines only,	20-0"	86	Deep tank, aft,		
Double bottom, if under Boilers only,	20-0"	86	Deep tank, forward,		
Double bottom, forward,	169-0"	597	Other tanks, if fitted,		
		Total capacity of double bottom 1141	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 3244.

Date 15th DECEMBER 1928.

Dates of Surveys held while building

(1928) DEC. 26 (1929) JAN. 8-16-22-30 FEB. 4-6-12-22-24 MAR. 12 APR. 9-16 JUNE 13-24-26 JULY 18-26-29-31 AUG. 2-5-11-15-21-29 SEPT. 17-26 OCT. 23-31
NOV. 21-28 (1930) JAN. 16 FEB. 6-25 MAR. 14-22-26-28 JUNE 3-5-10-16-24-25-26-30 JULY 14-28-31 AUG. 5-11-18-24-27-28-29 SEPT. 2-11-18-24-27-28 OCT. 13-20-27-31
NOV. 5-11-21-26 DEC. 5-12-19-24 (1931) JAN. 13-21-23-26-29 FEB. 2-5-10-12-16-19-23 MAR. 3-4-5-6-9-10-11-12-13-14-18-19-20-23-25-26-29 APR. 3-6-9-10-15
MAY 4-11-14-18-20-25-28-29 JUNE 2-3-5-11-16-22-23-25-29 JULY 28-30 AUG. 4-11-14-15-19-21-23-26 SEPT. 1-9-10-23-24 OCT. 5-8-12-14-16-23 NOV. 2-3-10-17-16-24 DEC. 8-10 (1932) JAN. 21-25
FEB. 1-18 (1933) OCT. 23-31 NOV. 2-5-13-29 DEC. 5-11-19 (1935) JAN. 10-16-18-21-25 FEB. 4-18-24 MAR. 4-8-12-13-14

Total No. of Visits 193.