

State if Report is sent on the Machinery of the Vessel Yes

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Complete Superstructure with tonnage opening* State Type of Erections *None*

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 406-0

Launched 23 April 1948 Yard No. 1220

ster Tonnage 2928.22 1st Longitudinal Number (L x D).....=14567 ✓
Managers ✓

REGISTERED DIMENSIONS. Framing Depth "d," at middle of length. See } 24.34 Residence ✓

Proportions—Depth to Length—Uppermost con- 11.16 ✓

tinuous deck to top of keel 5

25: 45'

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	✓			Bracket Floors, Frame		6	3 1/2	34	✓
" " from 1/2 length amidships to Collision bulkhead.....		27	✓			" " Reversed Frame.....		6	3	32	✓
" " in peaks		24	✓			" " Vertical Struts		9	3 1/2	32	✓
IDE FRAMING.						Centre Girder, depth and thickness amidships		42	1/2	53	✓
Frame Amidships, Angle, [or [		12	3 1/2	56		" " top Angles		3 1/2	3 1/2	47	✓
" " Extends up to		13	Below 2 nd deck to shell deck at hatch ends			" " bottom Angles.....		4	4	53	✓
Reversed Frame Amidships, Angle						Side Girders, No. each side and thickness.....			37		✓
" " Extends up to			✓			Margin Plate depth (excl. of flange) and thickness		39	53		✓
Depth of Framing Girder.....		12	✓			" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		6	6	43	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or [		6	3 1/2	32	✓	" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area Gussets, spacing and scantling abaft 1/4 len. from stem, Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		6	6	43	✓
" " Second 'tween Decks, Angle, [or [						Tank Side Brackets, height above base line at toe of Frame and thickness					✓
" " Third						INNER BOTTOM PLATING.					
" " from 1/2 len. for'd. to 15% len. from Stem		12	3 1/2	56		Breadth and thickness of Middle Line Strake.....		70	49		✓
" " in Peaks, Angle or [		8	3 1/2	33		Thickness of remainder in Holds		43	welded		✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships		7/8	5 1/4	Sides	✓	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?		51	47	under hatchways	yes
" " State if Frame Joggled		7/8	6 1/4	bottom	✓	BEAMS.					
" " Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?					✓	Uppermost Continuous Deck, amidships in Wells, Angle, [or [					Single beams
" " Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?					✓	" " in way of Bridge, Angle, [or [
GLE BOTTOM.						Spacing		12	3 1/2	45	through
Floors, Depth and thickness at mid-line in Holds						Second Deck, amidships, Angle, [or [		8	3	40	half
Height of Brackets at side above base line at toe of frame.....						" " Spacing		8	3	34	✓
Middle Line Keelson, on Floors, Angles, [or [						Third Deck, amidships, Angle, [or [✓
" " Through Plate or Inter-costal Plate						" " Spacing					✓
" " Foundation Plate on Floors						Fourth Deck, amidships, Angle, [or [✓
" " Flat Plate Keel Angles						" " Spacing					✓
Side Keelsons, No. each side.....						Poop Deck, Angle, [or [✓
" " thickness of Inter-costal Plate.....						" " Spacing					✓
" " Angles						Bridge Deck, Angle, [or [✓
DOUBLE BOTTOM.						" " Spacing					✓
Solid Floors, thickness and spacing		41	60			Forecastle Deck, Angle, [or [✓
" " Are Frame and Reversed Frame joggled?			yes			" " Spacing					✓
Bracket Floors, breadth and thickness at middle line		32	41								
" " breadth and thickness at margin plate		32	41								

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		✓		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		36 ✓	
" " " " "		✓		Thickness of Plating abreast Deck openings in way of Bridge		✓	
" in Holds " " " "		✓		Thickness of Plating within line of openings...		34 ✓	
" " " " "				If Sheathed, material and thickness		✓	
Centre Line Bulkhead.		11" 15" 7"		Third Deck.		✓	
Stiffeners and Spacing		60"		Stringer Plate, breadth and thickness		✓	
Plating, thickness of		30 hold - 26 between		If Plated, state thickness		✓	
STRINGERS AND DECKS.				Fourth Deck.		✓	
Uppermost Continuous Deck.		77 1/2 56 ✓		Stringer Plate, breadth and thickness		✓	
Stringer Plate, breadth and thickness in Wells				If Plated, state thickness		✓	
" " " " " in way of Bridge		✓		Poop Deck.		✓	
" " " " " Angle in Wells		6 6 55 ✓		Stringer Plate, breadth and thickness		✓	
Thickness of Plating abreast Deck openings in way of Wells		52 ✓		Plating, Sheathing, material and thickness ...		✓	
Thickness of Plating abreast Deck openings in way of Bridge				Bridge Deck.		✓	
Thickness of Plating within line of openings...		41 ✓		Stringer Plate, breadth and thickness		✓	
If Sheathed, material and thickness		37 under Saloon.		Plating, Sheathing, material and thickness ...		✓	
Second Deck.		77 1/2 40 39 ✓		Forecastle Deck.		✓	
Stringer Plate, breadth and thickness in Wells				Stringer Plate, breadth and thickness		✓	
				Plating, Sheathing, material and thickness...		✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.		Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.									
Flat Plate Keel.....	5 1/2 ✓	.77 ✓	.67 ✓	.67 ✓		double ✓	7/8 ✓	3 3/4 ✓	4 ✓	1 ✓	4 ✓	copper of	
„ Dblg. (if any)		✓											
Bottom Plating, No. of Strakes 4 }	3 1/2 ✓	.58 ✓	.49 ✓	.49 ✓		..	7/8 ✓	3 3/4 ✓	3 ✓	7/8 ✓	3 1/2 ✓	..	
Bilge Plating, No. of Strakes 1 }		.58 ✓	.49 ✓	.49 ✓		.. ✓	7/8 ✓	3 3/4 ✓	3 ✓	7/8 ✓	3 1/2 ✓	..	
Side Plating, No. of Strakes 4 }		.58 ✓	.46 ✓	.46 ✓		..	7/8 ✓	3 3/4 ✓	3 ✓	7/8 ✓	3 1/2 ✓	..	
Upper Deck, Sheer- strake in Wells.....	7 1/2 ✓	.65 ✓	.46 ✓	.46 ✓					4 ✓	7/8 ✓	3 1/2 ✓	..	
Upper Deck, Sheer- strake in Bridge ...		✓				.. ✓	7/8 ✓	3 3/4 ✓	4 ✓	7/8 ✓	3 1/2 ✓	..	
Strake below Sheer- strake in Wells.....	7 1/2 ✓	.62 ✓	.46 ✓	.46 ✓					✓				
Strake below Sheer- strake in Bridge ...		✓							✓				
Poop Side Plating.....		✓							✓				
Bridge Side Plating.....		✓							✓				
Forecastle Side Plating		✓							✓				

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—
 Extending to Upper Deck (Sec. 3 c) 1 ✓
 „ Deck next below 6 ✓
 As per Rule 7

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
FORE PEAK						
MIDSHIP BULKH'D,	Upper 'tween decks	✓ 32-37	✓ 7" x 3" x .32	26 1/2 ✓		
"	Second "		✓			
"	Third "		✓			
"	Holds No 58	✓ 40	✓ TROUGH PLATES	guide at mid depth		
"	(in Hold)	✓ 53-32	8" x 3" x .35	24 ✓		SEMI BOX BEAM ✓
COLLISION		✓ 49 7/8				
AFTER PEAK		✓ 33-30	7" x 3" x .34	24 ✓		✓

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Dep from App Plans to be
KEEL, Bar		✓		
STEM		9 1/2 x 2 1/2		
STERN { Propeller Post	CS	10 1/2 x 7 1/4	Strimmer	
FRAME { Rudder "		10 1/2 x 7 1/4		
Speed of Vessel		12 ✓		
RUDDER—Type		ordinary		
" A x D		5' 0" ✓		
" Diam. of head	CS	10 1/2 ✓	"	
" Mainpiece at top pintle		10 1/2 ✓		
" " heel		8 ✓		
" how constructed	arms	Royal 65 main piece		
" double or single plate				
" coupling, vertical or				
" horizontal		horizontal		✓

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *South Durham S & S Co. Ltd. Dorman Lang & Co. Sigsbee Steel S & S Co. Ltd. Consort S & S Co. Skinningrove S & S Co. Ltd.*

Has the Steel been tested as required by the Rules? *Yes* ✓

AYON DENE No 1220.

No 18977.

1*.

PARTICULARS OF LONGITUDINAL FRAMING.

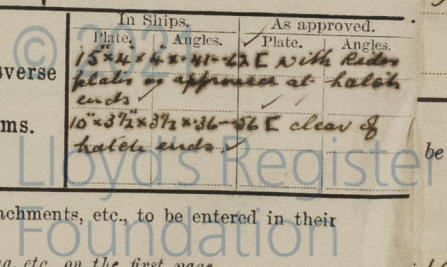
FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.	
														Diam.	Speng.					Diam.	Speng.
[	or]	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Inches.	Number.	Diameter.
																		Inches.	
Between Decks ...																			
Most Continuous No. 1																			
	" 2																		
	" 3																		
	" 4																		
	" 5																		
	" 6																		
	" 7																		
	" 8																		
	" 9																		
	" 10																		
	" 11																		
	" 12																		
	" 13																		
	" 14																		
	" 15																		
	" 16																		
Amidships																			
At Ends																			
Top Longitudinals																			
Bottom																			
Longitudinals { Amidships																			
{ At Ends...																			
Transverses.																			
Depth and Thickness																			
Face Angles																			
Lugs to Shell*																			
Depth and Thickness																			
Face Angles																			
Lugs to Shell*																			
Depth and Thickness																			
Face Angles																			
Lugs to Shell*																			
Brackets																			
Transverse Frames																			
if joggled or liners.																			
Bridge Deck ...																			
Upper																			
Second																			
Third																			
Any Dep from Appans to b																			

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.

State whether the Vessel has been built under Special Survey *Yes*

011678-011692-00092/3



EQUIPMENT No. 38328.6

LETTER a+

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.				
52138	1st Bower	69	3	14	69	3	14	53	15	0	0	68	Byers imp	hot static	Std 27.4.48 Hills
51860	2nd "	69	0	0	69	0	0	53	5	0	0	68	"	"	" 3.2.48 Hills
52009	3rd "	58	2	14	58	2	14	47	11	1	0	58 1/2	"	"	" 18.3.48 Hills
	Collective weight	197	2	0	197	2	0					194 1/2			
3945	Stream	18	3	7	18	3	7	19	15	1	7		Rodgers forged open heath	Samuel Jager	NET 20.1.48 W.V. Norman

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.	
	Fathoms	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Cwts.	Fathoms	Ins.					Length.	Ins.		Length.	Ins.
7929	270	2			100-16-00 14 1/2		572 0-0	270	2 3/4	TAYCO	Samuel Jager	NET 31.12.47 W.V. NORMAN	TOWLINE	120	4 3/4	64.6	120	4 3/4
													HAWSERS & WARPS	2-90	2 3/4	15.2	2-90	2 3/4
														2-90	7"	minix	2-90	
Iron Stream cable or Steel Wire	90	5			52.8			90	5									

Steering Gear, Type (Power or hand) *Donkin - tele control* Alternative Means of Steering *Blocks & Jacks to winch*
 Steering Chains (Size and Test) *Windlass Clark Chapman*
 Ceiling in Holds, thickness and material *2 1/2" at bilges Inner bottom increased under hatchways* Cargo Battens, thickness, material and spacing *6" x 2" 9" apart*
 Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *HATCH COVERS*
 Size of Hatchways No. 1 (Fwd.) *29' 3" x 22' 0"* No. 2 *32' 6" x 22' 0"* No. 3 *32' 6" x 22' 0"* No. 4 *30' 0" x 22' 0"* No. 5 *30' 0" x 22' 0"* No. 6 *9' 0" x 16' 0"*
 Number of Shifting Beams and/or Fore and Afters *5* *6* *6* *5* *5* *1*

Builder's Signature

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 *Little oil in deep tank* 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).

This Vessel has been built in conformity with the Society's rules and regulations, and the Secretary's letters. The scantlings and arrangements are in accordance with, or equivalent to those shown on the approved plans. The materials and the workmanship are good. All double bottom tanks, peak tanks, deep tank and oil fuel bunkers have been tested as required by the Rules, and found satisfactory. The weather decks, tween decks, w.t. bulkheads, tunnel & w.t. door, have been satisfactorily hose tested. The w.t. door and hand pumps have been tried and 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 150° F. have been carried out. Oil fuel is carried in oil fuel bunkers, and nos 1, 2, 3, 5, 6 double bottom tanks. The assigned pressures have been marked on the vessels sides, verified and cut in. The windlass and steering gears have been satisfactorily tried under working conditions.

The amount of Entry Fee..... £ :
 Special Survey Fee..... £673 0 : 0
 Travelling Expenses, if any £26 0 : 0

Fees applied for,
 3-12-1948.
 Received by me,
 19

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

I am of opinion the Vessel should be Classed *+100A1*
with freeboard

State whether the Vessel has been built under Special Survey *yes*
 Certificate to be sent to *W. H. Pl* Date of issue *17/1/49*

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

Committee's Minute *THURS 23 DEC 1948*
 Character assigned *+100A1 with freeboard*

11,48Hpl. Fitted for oil fuel 11,48 F.P. above 150° F. Carrying vegetable oil in midships deep tank
Lloyds A & CP.

+LMC 1148

F.O. C.L.

2 SB 22516 Sph.

011678-011642-0009 3/3

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Lloyd's Register
 Foundation

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.)

Approved plans & forging Reports attached. Mardene No 1205.

Last undocking November 4th 1948

PARTICULARS OF ELECTRIC WELDING (if employed) Tank top, Troughed bulkheads, O.F. Bunkers, Tank top gusset plates to margin. Shell chocks between frames.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Cruiser stern. Longitudinal framing at Shelter deck. Lloyd's A.P.P. D.F. E.S.D. Fitted for oil fuel F.P. above 150° F. Radar.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	Weight	Surveyor's Initials	No. of Certificate	Date
1st Bower	40.1.22	JHT	8685	21.3.47
2nd "	39.8.20	JHT	8931	28.5.47
3rd "	33.2.20	REC	9880	21.11.47

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated C.S.S.

Official No. 182885 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length 429'-9" (Circ. 1703)

No. and Material of Decks 1 deck & Shelter deck (steel)

Parts of Bottom of Vessel coated with cement or approved composition. Pecks Bit Enamel, No 8 (D.B.) Camrose, No 4 Tankol No 7 D.B. Cement. Nos 1, 2, 3, 5, 6 (D.B.) Mineral oil.

Particulars of composition (if fitted) and of approval

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	127'-6"	369	Fore peak tank,	117'-6"	123
Double bottom, under Engines and Boilers,			After peak tank,	20'-0"	174
Double bottom, if under Engines only,	25'	162	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	27'-6"	1057
Double bottom, forward,	203'-3"	777	Other tanks, if fitted,	5'-0"	36
Total length (if continuous) and Capacity.	355'-9"	1308			16

Order for Special Survey No. 2521

Date 13-1-47

Dates of Surveys held while building

1947. Aug. 26. 27. Sept. 2. 7. 10. 11. 15. 18. 24. Oct. 2. 14. 15. 17. 21. 24. 27. 31. Nov. 3. 8. 6. 7. 18. 20. 21. 24. 25. 26. 28. Dec. 3. 4. 11. 15. 17. 19. 22. 24. 30. 31. 1948. Jan. 9. 14. 15. 20. 21. 25. Feb. 3. 9. 10. 13. 16. 18. 19. 23. 24. 27. March. 1. 3. 4. 5. 8. 11. 12. 15. 17. 19. 22. 23. 24. 30. 31. April. 1. 2. 5. 6. 7. 8. 9. 13. 15. 16. 17. 19. 20. 21. 23. May. 13. 25. June. 2. 4. July. 16. 21. Aug. 19. 27. 30. 31. Sept. 2. 6. 7. 8. 23. 27. 28. 29. 30. Oct. 1. 4. 5. 6. 7. 8. 12. 13. 19.

Total No. of Visits 113