

STEEL STEAMER or MOTORSHIP.

Received at London Office SEP 20 1938

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel From NewcastleDate of completion of report 16th September 1938. Port of Sunderland.No. 32477Survey held at Sunderland Date First Survey 17 Feb. Last Survey 8 Sept 1938On the (State if Machinery Fitted Aft and if Single, Twin or Triple Screw) B.S. "Stersum" Single Screw.State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure with Tonnage Opening State Type of Erections Steel on C.S.S.TONNAGE under Tonnage Deck... 4849.92 CLASS +100A1. (State if with freeboard) Yes Built at SunderlandDo. of space or spaces between Tonnage Dk. and Upper Dk. Length from fore part of stem to after part of stern } L 421.54. Launched June 30th 1938 Yard No. 647.Total Breadth (greatest moulded) B 56.71. Builders Messrs W. Doxford & Sons LtdGross Tonnage 5,199.27 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 36.08. Owners N.V. Stoomvaart-Maatschappij "OOSTZEE"Register Tonnage 3,158.53 1st Longitudinal Number (L x D) = 15,210. Managers (Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) 24.47. Residence AmsterdamLength 427.89. Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.45 Port of Registry AmsterdamBreadth 57.05. Do. Long Bridge to top of keel 24'-10 1/4" If surveyed while building, afloat, or in dry dockDepth 25.59. Draught Moulded 24'-10 1/4" Yes.

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	<u>30</u>	<input checked="" type="checkbox"/>	Bracket Floors, Frame <u>B.A.</u>	<u>6 3 1/2 x 42</u>	<input checked="" type="checkbox"/>
" " from 1/2 length amidships to } Collision bulkhead.....}	<u>27</u>	<input checked="" type="checkbox"/>	" " Reversed Frame <u>B.A.</u>	<u>6 3 1/2 x 30</u>	<input checked="" type="checkbox"/>
" " in peaks.....	<u>24</u>	<input checked="" type="checkbox"/>	" " Vertical Struts	<u>8 x 3 1/2 x 3 1/2 x 42</u>	<input checked="" type="checkbox"/>
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<u>43 1/8 x 54</u>	<input checked="" type="checkbox"/>
Frame Amidships, Angle <u>E</u> or <u>[</u> <u>N.B.S.</u>	<u>13 1/2 4 49</u>	<input checked="" type="checkbox"/>	" " top Angles <u>dl</u>	<u>3 1/2 3 1/2 48</u>	<input checked="" type="checkbox"/>
" " Extends up to	<u>2nd Deck</u>	<input checked="" type="checkbox"/>	" " bottom Angles <u>dl</u>	<u>4 4 60</u>	<input checked="" type="checkbox"/>
Reversed Frame Amidships, Angle	<input checked="" type="checkbox"/>		Side Girders, No. each side and thickness	<u>0 or .38</u>	<input checked="" type="checkbox"/>
" " Extends up to...	<input checked="" type="checkbox"/>		Margin Plate depth (excl. of flange) and thickness	<u>39 1/2 x 54</u>	<input checked="" type="checkbox"/>
Depth of Framing Girder	<u>13 1/2.</u>	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<u>5 5 45</u>	<input checked="" type="checkbox"/>
Frames in Uppermost Continuous 'tween } Decks, Angle <u>E</u> or <u>[</u>	<u>6 3 1/2 .35</u>	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	<u>5 5 45</u>	<input checked="" type="checkbox"/>
" " Second 'tween Decks, Angle, <u>E</u> or <u>[</u>	<input checked="" type="checkbox"/>		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	<u>42 plates</u>	<input checked="" type="checkbox"/>
" " Third " " " "	<input checked="" type="checkbox"/>		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area.....	<u>42 plates</u>	<input checked="" type="checkbox"/>
" " from 1/2 len. for'd. to 15% len. from Stem <u>N.B.S.</u>	<u>13 1/2 x 4 x 56</u>	<input checked="" type="checkbox"/>	Tank Side Brackets, height above base line at toe of Frame and thickness	<u>68 1/2 x 44</u>	<input checked="" type="checkbox"/>
" " in Peaks, Angle or <u>[</u> <u>N.B.S.</u>	<u>8 3 1/2 .35</u>	<input checked="" type="checkbox"/>	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>7/8 - 5 1/8</u>	<input checked="" type="checkbox"/>	Breadth and thickness of Middle Line Strake ...	<u>72" x 50</u>	<input checked="" type="checkbox"/>
State if Frame Joggled	<u>Yes</u>	<input checked="" type="checkbox"/>	Thickness of remainder in Holds	<u>44 x 52.</u>	<input checked="" type="checkbox"/>
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<u>Yes</u>	<input checked="" type="checkbox"/>	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?	<u>Yes</u>	<input checked="" type="checkbox"/>
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<u>Yes</u>	<input checked="" type="checkbox"/>	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships } in Walls Angle <u>E</u> or <u>[</u>	<u>8 3 1/2 .35</u>	<input checked="" type="checkbox"/>
Floors, Depth and thickness at mid-line in } Holds	<input checked="" type="checkbox"/>		" " in way of Bridge, Angle, } <u>[</u> or <u>[</u>	<input checked="" type="checkbox"/>	
Height of Brackets at side above } base line at toe of frame	<input checked="" type="checkbox"/>		Spacing	<u>Every</u>	<input checked="" type="checkbox"/>
Middle Line Keelson, on Floors, Angles, } <u>[</u> or <u>[</u>	<input checked="" type="checkbox"/>		Second Deck, amidships, Angle <u>E</u> or <u>[</u> <u>N.B.S.</u>	<u>8 3 1/2 44</u>	<input checked="" type="checkbox"/>
" " " Through Plate or } Intercoastal Plate...	<input checked="" type="checkbox"/>		Spacing.....	<u>Every</u>	<input checked="" type="checkbox"/>
" " " Foundation Plate on } Floors	<input checked="" type="checkbox"/>		Third Deck, amidships, Angle, <u>E</u> or <u>[</u>	<input checked="" type="checkbox"/>	
" " " Flat Plate Keel Angles	<input checked="" type="checkbox"/>		Spacing.....	<input checked="" type="checkbox"/>	
Side Keelsons, No. each side	<input checked="" type="checkbox"/>		Fourth Deck, amidships, Angle, <u>E</u> or <u>[</u>	<input checked="" type="checkbox"/>	
" " thickness of Intercoastal Plate...	<input checked="" type="checkbox"/>		Spacing.....	<input checked="" type="checkbox"/>	
" " Angles	<input checked="" type="checkbox"/>		Poop Deck, Angle, <u>E</u> or <u>[</u>	<input checked="" type="checkbox"/>	
DOUBLE BOTTOM.			Spacing.....	<input checked="" type="checkbox"/>	
Solid Floors, thickness and spacing	<u>42 Every 4"</u>	<input checked="" type="checkbox"/>	Bridge Deck, Angle, <u>E</u> or <u>[</u>	<input checked="" type="checkbox"/>	
" " Are Frame and Reversed Frame } joggled?	<u>Yes</u>	<input checked="" type="checkbox"/>	Spacing	<input checked="" type="checkbox"/>	
Bracket Floors, breadth and thickness at } middle line.....	<u>32 1/2 x 42.</u>	<input checked="" type="checkbox"/>	Forecastle Deck, Angle, <u>E</u> or <u>[</u> <u>N.B.S.</u>	<u>8 3 1/2 44</u>	<input checked="" type="checkbox"/>
" " breadth and thickness at } margin plate.....	<u>32 1/2 x 42.</u>	<input checked="" type="checkbox"/>	Spacing	<u>Every</u>	<input checked="" type="checkbox"/>

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.....	5 pure.	✓	Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....	6" x 36. W. 15 spaced C.L. Bulled	✓	Thickness of Plating abreast Deck openings in way of Wells	38	✓
" " " " " "	26" x 24 56" x 3 1/2 x 40 B 4	✓	Thickness of Plating abreast Deck openings in way of Bridge	✓	
" in Holds " " "	13" x 55 W 12" x 48	✓	Thickness of Plating within line of openings...	34	✓
" " " " " "	widest	✓	If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	10 x 3 1/2 x 58 B 4 to 6 x 3 x 34 "	✓	Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	8 ply 30.	✓	If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	68" x 62	✓	If Plated, state thickness	✓	
" " " " in way of Bridge	✓		Poop Deck.		
" Angle in Wells	6 6 62	✓	Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells	62	✓	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings...	40	✓	Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ...	✓	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	70" x 40	✓	Stringer Plate, breadth and thickness.....	36	✓
			Plating, Sheathing, material and thickness ...	34	✓

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 cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL	52	78	68	68		Double	1 3/4	4	1	4	lap.
" DBLG. (if any)	✓	✓									
BOTTOM PLATING, No. of Strakes	4	59	50	50		Double	7/8 3 3/8	3	7/8 3 1/8	✓	"
BILGE PLATING, No. of Strakes	1	59	50	50		Double	7/8 3 3/8	3	7/8 3 1/8	✓	"
SIDE PLATING, No. of Strakes	5	59	46	46		Double	7/8 3 3/8	3	7/8 3 1/8	✓	"
UPPER DECK, Sheer-strake in Wells.....	✓										
UPPER DECK, Sheer-strake in Bridge.....											
STRAKE BELOW Sheer-strake in Wells.....	90	67	46	46		Double	7/8 3 3/8	4	7/8 3 1/2	lap.	
STRAKE BELOW Sheer-strake in Bridge ...											
POOP SIDE PLATING											
BRIDGE SIDE PLATING ...											
FORECASTLE SIDE PLATING			42			Single	3/4 3	1	3/4 2 5/8	lap.	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

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

Extending to Upper Deck (Sec. 3 c)

1. ✓

see notation

Deck next below

5. ✓

1 Intermediate BH

As per Rule

7. ✓

disposed with

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	✓				
" " Second "	✓				
" " Third "	✓				
" " Holds	56-30	8 x 3 1/2 x 38	24	33" x 40 4	24
COLLISION					
(in Hold)	50-26	12 x 3 1/2 x 35	24	10.7. Kat	
AFTER PEAK					
" "	75-30	9 x 3 1/2 x 38	24	6 ne 22 mm box	a Recess

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM	Rolled bar	9 1/2" x 28"	✓	
STERN FRAME { Propeller Post	Casting	Special Stronware		
{ Rudder "		Design Vented		
Speed of Vessel		10 1/4 knots	✓	
RUDDER—Type		"Reaction"	✓	
" A x D				
" Diam. of head	Forging	8" 1.5. Foster		
" Mainpiece at top pintle	Arm of 12 1/4"	3. J. J. J. J.	✓	
" " heel ...	Cast Steel	9 3/8"	✓	
" how constructed		Pintle at bottom		
" double or single plate coupling, vertical or horizontal		Double 4 1/4"	✓	
		Horizontal.		

STEEL.

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

Solenilles, Cargo Fleet, Consett, South Durham, Dorman Long, Appleby.

Has the Steel been tested as required by the Rules?

Open-Heart

Lloyd's Register Foundation

EQUIPMENT No 39 929 ✓										LETTER A t. ✓		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.			
51,534.	1st Bower ...	69	0	14.	✓	✓		53	7	2	0.	✓	Quick-grip steel	✓	L.P.H.C.H. 6.5.38 A.C.P.
51,535.	2nd „ ...	66	2	14.	✓	✓		51	19	1	14	✓	„	✓	L.P.H.C.H. 6.5.38 A.C.P.
51,537.	3rd „ ...	59	3	14.	✓	✓		48	5	3	21.	✓	„	✓	L.P.H.C.H. 6.5.38 A.C.P.
	Collective weight.	195	2	14	✓							✓	194-2-0.		
51,465.	Stream	19	0	0.	4	3	2	19	17	2	0	✓	19-0-0. Ordinary	✓	L.P.H.C.H. 10.5.38 G.C.P.

CHAIN CABLES.											HAWSERS AND WARPS.						
Number of Certificate.	Length and size supplied.		Test per Certificate. Statutory.	Break- ing.	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.			Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.			Fathoms.	Ins.	Tons.	Fathoms.	Ins.
56,629	135	2 1/8	96 1/4	134 3/4	365	1	7		8thd. Runk	Kendricks Mole	L.P.H.C.H. 10.5.38 L.C.F.	TOWLINE...	120	4 3/4	64.6	120	4 3/4
56,630	135	2 1/8	96 1/4	134 3/4	364	0	11	720	3	0	270	2 1/8		15.2	220	2 1/4	
									"	"	L.P.H.C.H. 10.5.38 L.C.F.	HAWSERS & WARPS	220	2 3/4	13.2	220	2 1/2
													220	2 1/2	13.2	220	2 1/2
		Cir.								Cir.							
Stream (Chain or Steel Wire)	90	5	52.8					90	5								

Steering Gear, Type (Power or hand) Power. G. Hastie & Son Ltd Alternative Means of Steering Handwritten blocks & tackles.

Steering Chains (Size and Test) Helomotor Windlass Clarke Chapman Boats Two 28ft lifeboats One 16ft dinghy.

Ceiling in Holds, thickness and material 3" B. Pine over lumber under hatchways Cargo Battens, thickness, material and spacing 6"x2" W.P. spaced 9".

Cargo Hatchways. (Upper Deck) Steel plate & sections Reith's patent Thickness of Hatches 3".

Size of Hatchways No. 1 (Fwd.) 33'9" x 24'0" No. 2 35'0" x 24'0" No. 3 35'0" x 24'0" No. 4 37'6" x 24'0" No. 5 37'6" x 24'0" No. 6 ✓

Number of Shifting Beams No. 1, 2 and 3 - 6. No. 4 & 5 - 7.

Builder's Signature WILLIAM DOXFORD & SONS, Limited,
Manray Tebbie Director.

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 No 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).

Fuel oil for burning, F.P. above 150°F carried in 10" dia. double bottom tanks and in cross-bunker at forward end of machinery space. ✓
The vessel has been constructed in accordance with the approved plans, the Secretary's letters and the Society's Rules. The materials and workmanship are good. ✓
The double bottom tanks, cross-bunker, and fore and after peaks have been tested in accordance with the Society's Rules and found in order. ✓
The freeboards have been verified and cut in on the vessel's sides. ✓
The requirements of Sec. 20 of the Rules, for the carrying and burning of oil as fuel, have been complied with as far as they apply. ✓
The decks, bulkheads, and tunnel have been tested and found tight. ✓
The hand pump and watertight door has been tried and found satisfactory. ✓
The windlass and steering gear have been tried under steam. ✓

The amount of Entry Fee £ 9 : : : Fees applied for, 17 SEP. 1938

Special Survey Fee.... £ 32 9 : 19 : 6
Freeboard 16 : 0 : 0
Travelling Expenses, if any £ : : :
Received by me, 21/9 1938

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

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

Signature G. H. Bartlett
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to SUNDERLAND Date of issue 26/9/38

Committee's Minute

Character assigned +100A1

with freeboard

+L.M.C. 9.38

Fitted for oil fuel 9.38 F.P. above 150°F.
F.D. C.L. Sp.

Lloyd's A.C.P.

Lloyd's A.C.P.



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.)

The auxiliary gear has been rigged and tried. The short tested
The following forging reports are enclosed: Stern frame, Rudder frame, 2 Rudder arms (2)
Quadrant & tiller.
See Sunderland letter 22.2.38 re: Gunner's consent to omission of one bulkhead and the
fitting of reverse bars as compensation.

PARTICULARS OF ELECTRIC WELDING (if employed) Electrodes employed: Overhead Vertical:—Quasi-Arc.
Remainder: Heatweld.

Parts welded: Second deck stringer to shell; side stringers in peaks to shell; tunnel recess top to shell; Bulkhead
stiffener brackets to tank top; semi-bow beams in deep tank to bulkheads; all anglesmithwork; Ventilator
coamings; Hatch webs, derrick posts, midship and after houses; skylights, masts, Rudder plates to
frame; gunwale barbutts; ash shoot, gusset plates to tank side frame bracket; Pillars.

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

Cruiser Stern.

Fitted for oil fuel, F.P. above 150°F
Including pen

(One intermediate BH dispensed with; Coll BH
to shelter DR 5 BH to 2nd DR
(see endorsement 5-11-37)

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

1st Bower	42-3-T. W.H. 3,143, 7-1-38.
2nd "	43-0-13. W.H. 3,108. 24.12.37.
3rd "	36-3-25. W.H. 3,110 24.12.37.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 38.7 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 Extreme Breadth over Belting (Circ. 1611) Over-all Length 445.3 ft. (Circ. 1703)

No. and Material of Decks 1 DR (STL) & SHELTER DR (STL).

Parts of Bottom of Vessel coated with cement or approved composition cemented throughout except in way of oil water
fills fitted. pt Cem.

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.)

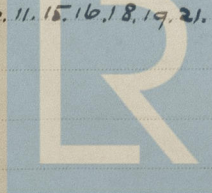
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	120	341	Fore peak tank,		90
Double bottom, under Engines and Boilers,	40	193	After peak tank,		140
Double bottom, if under Engines only,			Deep tank, amidships, oil fuel tank	17.5	710
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	195	807	Other tanks, if fitted,		
Total length (if continuous) and Capacity	355	1,341	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5882

Date 15.12.37

Dates of Surveys
held while building

1938. Feb. 17, 21, 24. Mar. 1, 7, 8, 9, 11, 14, 17, 28, 30. Apr. 5, 7, 12, 27, 28, 29. May 3, 9, 10, 12, 16, 20, 23, 30.
31. June 7, 8, 14, 15, 16, 18, 21, 24, 27, 28, 29, 30. July 6, 11, 15, 16, 18, 19, 21, 22. Aug. 5, 6, 17, 30, 31. Sep. 1.
2, 3, 5, 6, 7, 8



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Total No. of Visits 59.