

STEEL STEAMER or MOTORSHIP

Received at London Office

FEB 17 1941

State if Report has been sent on the Freeboard of the Vessel **Yes, in May 1940.**State if Report is sent on the Machinery of the Vessel **Yes, by same mail.**Date of completion of report **15th November 1940.**Port of **Sourabaya, Java, D.E.I.**No. **4285.**Survey held at **Drydock Yard etc. Sourabaya** Date First Survey **23rd August 1939,** Last Survey **17th October 1940**On the (State if Machine fitted Aft and if Single, Twin or Triple Screw) **Mchy Aft, single screw steamer "BORSUMY"**State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **Full scantling**

State Type of Erections

TONNAGE under Tonnage Deck... **171,71.**CLASS ***100A1** State if with freeboard) **with** freeboard, for service condition of Class in the D.E. archipelago.Do. of space or spaces between Tonnage Dk. and Upper Dk. **43,82.**Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a) **L 128'0"**Total **215,53**Breadth (greatest moulded) **B 21'4"**

Gross Tonnage

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 8'2"**

Register Tonnage

1st Longitudinal Number (L x D) = **1076.**2nd Numeral L x (B + D) = **3806.**Framing Depth "d," at middle of length. See Sec. 3 (1d) **7,21**Proportions—Depth to Length—Uppermost continuous deck to top of keel **15,6**

Do. Long Bridge to top of keel

Draught Moulded **6'6 1/2"**Built at **Sourabaya, Java, D.E.I.**Launched **7th August 1940** Yard No. **251.**Builders **N.V. Droogdok Mij "Soerabaia"**Owners **N.V. Borneo Sumatra Handel Mij.**Managers **Same.**

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

Residence **Sourabaya.**Port of Registry **Bandjermasin. (D.E.I.)**

If surveyed while building, afloat, or in dry dock

All.

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	20 1/2"	✓	Bracket Floors, Frame	4"x2 1/2"x9/32"	✓
" from 3/4 length amidships to Collision bulkhead	20 1/2"	✓	" " Reversed Frame	3"x2 1/2"x5/16"	✓
" in peaks	20 1/2"	✓	" " Vertical Struts	4"x2 1/2"x.28"	✓
FRAMING.			Centre Girder, depth and thickness amidships	2'6"x3"	✓
Frame Amidships, Angle, 4"x2 1/2"	4" 2 1/2" 9/32"	✓	" " top Angles	3"x3"x3/8"	✓
" " Extends up to	deck	✓	" " bottom Angles <i>double see plan</i>	3"x3"x3/8"	✓
Reversed Frame Amidships, Angle	--		Side Girders, No. each side and thickness	One .315"	✓
" " Extends up to	--		Margin Plate depth (excl. of flange) and thickness	--	
Depth of Framing Girder	--		" " Vertical Angle to Tank side	--	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [--		Bracket abaft 1/4 len. from stem	--	
" " Second 'tween Decks, Angle, [or [--		" " Vertical Angle to Tank side	--	
" " Third " " "	--		Bracket from forward 1/4 len. from stem to Panting Area	--	
" " from 1/4 len. for'd. to 15% len. from Stem	--		Gussets, spacing and scantling abaft 1/4 len. from stem	--	
" " in Peaks, Angle 4"x2 1/2"	4" 2 1/2" 9/32"	✓	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	--	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	diam. 5/8" spacing 7 d	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	--	
State if Frame Joggled	No.	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	Breadth and thickness of Middle Line Strake	5'0"x3/8"	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	Thickness of remainder in Holds	.25"	✓
DOUBLE BOTTOM.			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	✓
Floors, Depth and thickness at mid-line in Holds	12"x.275"	✓	BEAMS.		
Height of Brackets at side above base line at toe of frame	24" <i>35 5/8" see plan</i>	✓	Uppermost Continuous Deck, amidships in Wells, Angle, 4"x2 1/2"	4,3"x2 1/2"x5/16"	✓
Middle Line Keelson, on Floors, Angles, [or [13 1/2"x3/8"	✓	" " in way of Bridge, Angle, [or [20 1/2"	✓
" " " " Intercoastal Plate	24"x.40"	✓	Spacing	--	
" " " " Foundation Plate on Floors	3"x3"x3/8"	✓	Second Deck, amidships, Angle, [or [--	
" " " " Flat Plate Keel Angles	One .315"	✓	Spacing	--	
Double Keelsons, No. each side	2 1/2"x2 1/2"x.275"	✓	Third Deck, amidships, Angle, [or [--	
" " thickness of Intercoastal Plate	28"-5-1 1/2"	✓	Spacing	--	
" " Angles <i>4 shell</i>	No.	✓	Fourth Deck, amidships, Angle, [or [--	
DOUBLE BOTTOM.			Spacing	--	
Solid Floors, thickness and spacing	12" .275"	✓	Poop Deck, Angle, [or [--	
" " Are Frame and Reversed Frame joggled?	8" .275"	✓	Spacing	--	
Bracket Floors, breadth and thickness at middle line	--		Bridge Deck, Angle, [or [--	
" " breadth and thickness at margin plate	--		Spacing	--	
			Forecastle Deck, Angle, [or [--	
			Spacing	--	

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.....	One	Two			
in way of hatchcoaming					
" in 'tween Decks, Size and Spacing.....	-	-			
" " " " "	-	-			
" in Holds " "	-	-			
" " " " "	-	-			
Centre Line Bulkhead.					
Stiffeners and Spacing.....	-	-			
Plating, thickness of	-	-			
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells	24"x.35"	✓			
" " " " in way of Bridge	-	-			
" Angle in Wells	3"x3"x.35"	✓			
Thickness of Plating abreast Deck openings) in way of Wells	5/16"	✓			
Thickness of Plating abreast Deck openings) in way of Bridge					
Thickness of Plating within line of openings....	1"	✓			
If Sheathed, material and thickness	Teak 2"	✓			
Second Deck.					
Stringer Plate, breadth and thickness in Wells...	-	-			
Stringer Plate, breadth and thickness in way of Bridge	-	-			
Thickness of Plating abreast Deck openings) in way of Wells	-	-			
Thickness of Plating abreast Deck openings) in way of Bridge	-	-			
Thickness of Plating within line of openings....	-	-			
If Sheathed, material and thickness	-	-			
Third Deck.					
Stringer Plate, breadth and thickness.....	-	-			
If Plated, state thickness.....	-	-			
Fourth Deck.					
Stringer Plate, breadth and thickness.....	-	-			
If Plated, state thickness	-	-			
Poop Deck.					
Stringer Plate, breadth and thickness	-	-			
Plating, Sheathing, material and thickness ...	-	-			
Bridge Deck.					
Stringer Plate, breadth and thickness.....	4'0"x 3/16"	✓			
Plating, Sheathing, material and thickness ...	3/16" Teak 2"	✓			
Forecastle Deck.					
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. State if jogged? Not.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	36" ✓	3" ✓	7/20" ✓	7/20" ✓		Double	5/8" ✓	2 1/2" ✓	Three ✓	5/8" ✓	2 1/2" ✓	Strapped ✓
„ DBLG. (if any) ✓	30" ✓	.25" ✓	.25" ✓	.25" ✓		El. Welded	-	-	-	-	-	-
BOTTOM PLATING, No. of Strakes	84" ✓	5/16" ✓	7/20" ✓	5/16" ✓		Double	5/8" ✓	2 1/2" ✓	Two	5/8" ✓	2 1/2" ✓	Lapped
BILGE PLATING, No. of Strakes	60" ✓	.315" ✓	.275" ✓	.275" ✓		ditto.	5/8" ✓	2 1/2" ✓	Two	5/8" ✓	2 1/2" ✓	Strapped
SIDE PLATING, No. of Strakes	36" ✓	.315" ✓	.275" ✓	.275" ✓		ditto.	5/8" ✓	2 1/2" ✓	Two	5/8" ✓	2 1/2" ✓	Lapped
	42" ✓	.40" ✓	.275" ✓	.275" ✓		ditto.	3/4" ✓	3" ✓	Two	3/4" ✓	3" ✓	Strapped
UPPER DECK, Sheer-strake in Wells.....	-	-	-	-	--							
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	-	-	-	-	--							

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— **Four.**
 Extending to Upper Deck (Sec. 3 c) **Four.**
 „ Deck next below
 As per Rule **Yes.**

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	-	-	-	-
STEM	Plate	3" x 1"	D.M.S.	No.
Partly Forging	6" x 1"	"	"	"
STERN FRAME { Propeller Post	Forging	5" x 1"	"	"
Rudder	"	6x3" cup plan		
Speed of Vessel	8,8 Knot.			
RUDDER—Type	Balance.			
" A x D	22,5			
" Diam. of head	4 1/2"	D.M.S.	No.	
" Mainpiece at top pintle	4 1/2"	"	"	
" " heel ...	4 1/2"	"	"	
" how constructed	electrically welded.			
" double or single plate	Double plates.			
" coupling, vertical or	Vertical.			
" horizontal				

STIFFENERS.

			Plating Thickness.	VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks			-	-	-	-	-
"	"	Second "	-	-	-	-	-
"	"	Third "	-	-	-	-	-
"	"	Holds	-	-	-	-	-
COLLISION							
"	"	(in Hold)	5/16"	1/4"x3"x3/8"	25"		
AFTER PEAK							
"	"	5/16"	1/4"x3"x3/8"	30"		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Colvilles Ltd, Glasgow.

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

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 vessel has been built in accordance with the approved plans, Society's letters and general conformity with Society's Rules workmanship good.

Double bottom tanks forward and aft, and Forepeak tank have been tested by a head of water as required by the Rules and found sound and tight.

Plans attached: General arrangement No.F.4237.
Midship Section No.E.1165.
Stem No.B.2445.
Sternframe and rudder " E.1133.

J.H.T. Lunn

Sba.letter 30/11/40 and 3 copies certificates.

PARTICULARS OF ELECTRIC WELDING (if employed)

Shell plates with stem Vee welded with Philips No.48 Electrodes.
Stern frame vee welded with Smit resistens electrodes.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book +100A1, with freeboard, for Services in the East Indian Archipelago. Mchy Aft.

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

1st Bower Head 226 K.G. E.E.10428. 19-10-39.
2nd „ Head 229 K.G. E.E.10430. 19-10-39.
3rd „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop - ft., R.Q.D. - ft., Bridge 70 ft., Forecastle - 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 22'5" (Circ. 1611) Over-all Length 134'0" (Circ. 1703)

No. and Material of Decks One flush deck. Steel, wood covers.

Parts of Bottom of Vessel coated with cement or approved composition The whole bottom

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, <i>amidships</i>	15'4 1/2"	20,76	Fore peak tank,	8'5"	11,3
Double bottom, under Engines and Boilers,	-	-	After peak tank,	-	-
Double bottom, if under Engines only,	-	-	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	-	-
Double bottom, forward,	13'8"	13,2	Other tanks, if fitted,	-	-
Total length (if continuous) and Capacity	-	-	(If necessary, furnish further information by sketch.)	-	-

Order for Special Survey No. -

Date 31st July 1939.

Dates of Surveys held while building

1939:
Aug; 23, Sep; 13, 21. Oct; 2, 6, 10, 12, 16, 21, 24. Nov. 1, 2, 6, 11, 18, 27. Dec. 4, 5, 19, 21, 28
1940:
Jan; 3, 6, 11, 16, 20. Feb. 6, 13, 20, 24, 28. March; 7. April; 5, 8, 17, 18. May; 7, 9, 16, 16, 18
27. July; 4, 6, 8, 12, 18. Aug; 5, 18, 28, 31. Sep; 17, 20. Oct. 6, 14 & 17.

Total No. of Visits 56.