

STEEL STEAMER OR MOTORSHIP.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report 21-6-53Port of GRONINGENNo. 842ASurvey held at WATERHUIZENDate First Survey 15-9-52Last Survey 20-6-1953On the (State if Machinery fitted Aft and V Single, Twin or Triple Screw) single screw steel m.v. "BIDURI" Mchly aftState Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full ScantlingState Type of Erections Fairlie, R.G.D. Bridge, PoopTONNAGE under Tonnage Deck 290.23CLASS 100A1State if with freeboard as condition of Class NoDo. 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) 171.60Built at WaterhuizenLaunched 28-2-53 Yard No. 216Total ✓Breadth (greatest moulded) B 31.02Builders Sch. WATERHUIZEN, J. Pa#jeGross Tonnage 662.39Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 9.71Owners Republik IndonesiaRegister Tonnage 433.041st Longitudinal Number (L x D) =Managers ✓
(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS.

FEET

Length 174.7Breadth 31.9Depth 7.2Framing Depth "d," at middle of length. See Sec. 3 (1d) =Proportions—Depth to Length—Uppermost continuous deck to top of keel =Do. Long Bridge to top of keel =Draught Moulded BARKHAN 9'-6 5/8"Residence DjakartaPort of Registry Djakarta

If surveyed while building, afloat, or in dry dock

while building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	MIN. IN SHIP.	Any Departure from Approved Plans to be Noted.		MIN. IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	550	✓	Bracket Floors, Frame	127 75 0	130.65.9
" " from 1/2 length amidships to Collision bulkhead	550	✓	" " Reversed Frame	90 65 7	✓
" " in peaks	550	✓	" " Vertical Struts	180 75 8 1/2	EMP 12
SIDE FRAMING.			Centre Girder, depth and thickness amidships	750 9	✓
Frame Amidships, Angle, <u>127 75 0</u>	<u>90.65.0 1/2</u>	✓	" " top Angles	EW	✓
" " Extends up to <u>free deck</u>		✓	" " bottom Angles	EW	✓
Reversed Frame Amidships, Angle	✓	✓	Side Girders, No. each side and thickness. <u>one</u>	250 75 7	✓
" " Extends up to	✓	✓	Margin Plate depth (excl. of flange) and thickness	680 0	✓
Depth of Framing Girder	✓	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	EW	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	✓	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	EW	✓
" " Second 'tween Decks, Angle, [or]	✓	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓	✓
" " Third " " " "	✓	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	✓
" " from 1/2 len. for'd. to 15% len. from Stem	127 75 0	115.65.7 1/2	Tank Side Brackets, height above base line at toe of Frame and thickness	1020 7	✓
" " in Peaks, Angle <u>100 65 0</u>		✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8" 7d	✓	Breadth and thickness of Middle Line Strake	1220 0	✓
State if Frame Joggled	no	✓	Thickness of remainder in Holds	7 7	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes	✓	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?	✓	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	✓	BEAMS.		
INGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <u>127 75 0</u>	75 50 6	✓
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, <u>127 75 0</u>	75 50 6	✓
Height of Brackets at side above base line at toe of frame			Spacing	550	✓
Middle Line Keelson, on Floors, Angles, [or]			Second Deck, amidships, Angle, [or]	✓	✓
" " Through Plate or Inter-costal Plate			Spacing		
" " Foundation Plate on Floors			Third Deck, amidships, Angle, [or]	✓	✓
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, [or]	✓	✓
" " thickness of Inter-costal Plate			Spacing		
" " Angles			Poop Deck, Angle, <u>127 75 0</u>	75 50 6	✓
DOUBLE BOTTOM.			Spacing	550	✓
Solid Floors, thickness and spacing	7 2200	✓	Bridge Deck, Angle, <u>127 75 0</u>	75 75 7	175.65.7
" " Are Frame and Reversed Frame joggled?	no	✓	Spacing	550	✓
Bracket Floors, breadth and thickness at middle line	590 65 7	545	Forecastle Deck, Angle, <u>127 75 0</u>	75 50 7	✓
" " breadth and thickness at margin plate	590 65 7	545	Spacing	550	✓

PILLARS AND DECKS.

		IN SHIP.	Any Departure from Approved Plans to be Noted.			IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows	widely spaced			Stringer Plate, breadth and thickness in way of Bridge			
" in Bridge Decks, Size and Spacing	φ 63-75			Thickness of Plating abreast Deck openings in way of Wells			
" " " " " "				Thickness of Plating abreast Deck openings in way of Bridge			
" in Holds	φ 100-90-76			Thickness of Plating within line of openings			
" " " " " "				If Sheathed, material and thickness			
Centre Line Bulkhead. Stiffeners and Spacing		✓		Third Deck. Stringer Plate, breadth and thickness		✓	
Plating, thickness of		✓		If Plated, state thickness			
STRINGERS AND DECKS. Uppermost Continuous Deck. Freeb. deck			✓	Fourth Deck. Stringer Plate, breadth and thickness		✓	
Stringer Plate, breadth and thickness in Wells			✓	If Plated, state thickness			
" " " " in way of Bridge			✓	Poop Deck. Stringer Plate, breadth and thickness		✓	
" Angle in Wells			✓	Plating, Sheathing, material and thickness	8-6	50 Teak	✓
Thickness of Plating abreast Deck openings in way of Wells	6 1/2	✓		Bridge Deck. Stringer Plate, breadth and thickness	1280	7	✓
Thickness of Plating abreast Deck openings in way of Bridge	6 1/2	✓		Plating, Sheathing, material and thickness	8	50 Teak	✓
Thickness of Plating within line of openings	6 1/2	✓		Forecastle Deck. Stringer Plate, breadth and thickness			✓
If Sheathed, material and thickness		✓		Plating, Sheathing, material and thickness	9-6		✓
Second Deck. Stringer Plate, breadth and thickness in Wells		✓					

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.			ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel	1220	12 1/2	12 1/2		S	5/8	6g	E.W.	✓	✓	✓
" Dblg. (if any)	✓										
Bottom Plating, No. of Strakes	2	1800	8 1/2	11 1/2	9	S	"	"	"		
Bilge Plating, No. of Strakes	2	1750	8 1/2	10 1/2	8 1/2	S	"	"	"		
Side Plating, No. of Strakes	1	1200	8 1/2	8 1/2	8 1/2						
Upper Deck, Sheer-strake in Wells	✓	1490	9	9	8	S	3/4	70	"		
Upper Deck, Sheer-strake in Bridge	✓	1490	8 1/2	✓	✓						
Strake below Sheer-strake in Wells	✓	1490	8 1/2	9	8 1/2	S	5/8	6g	"		
Strake below Sheer-strake in Bridge	✓	1490	8 1/2			S	"	"	"		
Poop Side Plating				9 1/2 ÷ 7		S	"	"	"		
Bridge Side Plating			13 ÷ 8 1/2			S	"	"	"		
Forecastle Side Plating				9 ÷ 6		S	"	"	"		

WATERTIGHT BULKHEADS.

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

6 Extending to Upper Deck (Sec. 3 c) frame: 5/6-23-49-57-67-80

" Deck next below

As per Rule

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	✓				
" " Second	✓				
" " Third	✓				
" " Holds	4g	9 1/2-8 1/2	7 1/2	100-75-9	515/600
" " (in Hold)	10-7 1/2	150-75-9	610		
" " AFTER PEAK	10-13-7 1/2	100-75-10	600		

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				Flat plate keel
STEM				Soft nose stem
STERN FRAME	Propeller Post	F	150-100	Bot
	Rudder	E.W.	17-15-13	"
Speed of Vessel				< 10 knots
RUDDER—Type				Oertz
" A × D				95.6
" Diam. of head	✓	F	140	"
" Mainpiece at top pintle	✓			
" " heel	✓			
" how constructed		E.W.	15-9	"
" double or single plate		D		
" coupling, vertical or horizontal		H		

STEEL.

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

Kon. H. d. Hoogovens } Colvilles Steel

Dorman, Long & Co }

Has the Steel been tested as required by the Rules? yes

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EQUIPMENT No. <u>0777</u>										LETTER <u>J</u>		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.				
2328	1st Bower	16	2	10	✓	✓	✓	17	10	2	0	16-3-0	Hall type	AKS Schiedam	6-3-52 K.v.D.
2332	2nd "	16	2	10	✓	✓	✓	17	10	2	0		"	"	"
2329	3rd "	15	0	0	✓	✓	✓	16	12	0	0		"	"	"
	Collective weight	48	1	0								48-0-0			
2364	Stream	5	0	10	1	1	5	7	11	0	0	4-3-0 ex	Common type	"	27-3-52 "

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.	Tons.	Break-ing.	Supplied.	Per Rule.	Cwts.	qrs.	lbs.	Fathoms.	Diam.				Fathoms.	Ins.		Fathoms.	Ins.
910	105	1 1/4	20	18	42	10	93	0	6			AKS Schiedam 7-3-53 K.v.D.		TOWLINE	75	2 3/4	15.2	75	2 3/4
930	210	"	"	"	179	0-26	160	0	0	210	1 1/4	studlink AKS	"	HAWSERS & WARPS	90	2 1/4	10.0	90	2 1/4
841	✓	"	"	"	0-2-8							6 kshackles	"		90	4	fibre	90	4
	60	3	✓	10	6					18	3	6x12							

Steering Gear, Type (Power or hand) Elec. hydr. + Hand hydr. (Svenborg) Alternative Means of Steering Spare wheel stern, directly coupled to steering.

Steering Chains (Size and Test) ✓ Windlass Electric (Bodewes) Boats 1 wood motor launch 4 " lifeboats

ing in Holds, thickness and material 50 teak Cargo Battens, thickness, material and spacing 50 teak 230

go Hatchways.—(Upper Deck) Two Thickness of Hatches 65

of Hatchways No. 1 (Fwd.) 410 x 6.05 No. 2 410 x 4.40 Bridge 3.70 x 4.40 No. 4 ✓ No. 5 ✓ No. 6 ✓

ber of Shifting Beams } 3 2 2

Builder's Signature

N.V. SCHEEPSWERF
WATERHUIZEN

Jan. J. Pau

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 ✓
(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).

Above 150° F, situated in fuelbunker abaft E. Room and in aftermost d.b.t.s.

This ship has been built under Special Survey, in conformity with the Society's Rules and Regulations and the Secretary's and Rotterdam letters. The scantlings and arrangements of the ship are as given in the report and as shown and amended on the approved plans now forwarded. All modifications or additions to the original approved arrangements made during construction have been indicated on the plans and have been approved as being in accordance with, or by standards equivalent to the Rule requirements. Copies of the plans as approved and kept up to date by me as regards deviations or alterations, which have been approved as being equivalent to the approved arrangements, are forwarded herewith.

Class, steering gear and auxiliary steering gear tried to satisfaction. All tanks, W.T. bulkheads and decks tested as required and found tight. The workmanship is good.

The amount of Entry Fee..... f - Fees applied for, 24-6-1953
Special Survey Fee..... f 2350.- Received by me, 19
Travelling Expenses, if any f 170.-

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

I am of opinion the Vessel should be Classed 100A1

State whether the Vessel has been built under Special Survey yes

Signature [Signature]
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to GRO. via ROT. Date of issue 27/8/53

Committee's Minute FRIDAY 14 AUG 1953

Character assigned +100A1
Lloyd's A+CP

+LMC 6.53 Oil Eng.
OG

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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.)

Sisterships: (except minor details): *BARLIAN*, yard Van Diepen 923

PUSPARAGAM, yard Pattje 217

PERMATA, " *E.J. Smit* 727

INTAN, " *F. Smit* 116

MUTIARA, " *Soormeyer* 175

} under construction

Plans attached: *Midship Section*
Longitudinal Section

Note: For detail plans please see sistership "*BARLIAN*".

PARTICULARS OF ELECTRIC WELDING (if employed)

Butts of shell plating

Major parts of: *double bottom, motor seating, decks, girders, bulkheads, superstructures, rudder, stern frame.*

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

Cruiser Stern

Partly Elec. welded

E.S.D.

RADAR Equipment (State if fitted) *not fitted*

State Type or Pattern No. *✓*

State } Maker *✓*

Name } and/or *✓*

of } Supplier *✓*

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

1st Bower *525 kgs W.H. 3949 25-6-51*

2nd " *525 " " 3917 9-2-51*

3rd " *470 " M.T. 3965 20-0-51*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *42* ft., *forward* R.Q.D. *32.6* ft., Bridge *79.3* ft., Forecastle *10.5* ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated *recessed Poop/Bridge*

Official No. *✓* Signal Letters *✓* Extreme Breadth over Belting (Circ. 1611) *✓* Over-all Length (Circ. 1703) *192'*

No. and Material of Decks *one steel deck*

Parts of Bottom of Vessel coated with cement or approved composition *ballast tanks: bitumastic*

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, <i>P. 22-49</i>	<i>40.0</i>	<i>38</i>	Fore peak tank,	<i>12.9</i>	<i>30</i>
Double bottom, under Engines and Boilers,	<i>✓</i>	<i>✓</i>	After peak tank,	<i>11.5</i>	<i>20</i>
Double bottom, if under Engines only,	<i>✓</i>	<i>✓</i>	Deep tank, aft,		
Double bottom, if under Boilers only,	<i>✓</i>	<i>✓</i>	Deep tank, forward, <i>midships 49-57</i>	<i>14.4</i>	<i>126</i>
Double bottom, forward, <i>P. 57-00</i>	<i>56.1</i>	<i>00</i>	Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. *196*

Date *15-9-52*

Dates of Surveys held while building

1952. Sep. 25-30

Oct. 6-9. 13-24-29

Nov. 10-18-24

Dec. 1-11. 17-21-31

1953. Jan. 3-9. 15-21-29-31

Feb. 3-7-10-13-17-19-21-26-28

March 4-7-13-18-21-24

April 3-9. 20-27

May 8-13-21

June 4-10-16-18-19

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Total No. of Visits *49*

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