

STEEL STEAMER OR MOTORSHIP.

19 OCT 1953

Received at London Office

State of Report has been sent on the Freeboard of the Vessel

State of Report is sent on the Machinery of the Vessel

Date of completion of report 10th Oct 53 Port of TRIESTE No. 13902Survey held at TRIESTE Date First Survey 30th Aug. 52 Last Survey 1st Dec 1953

On the (State of Machinery fitted Aft and if Single, Twin or Triple Screw) single screw motor vessel (machinery aft) "NAIRO"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) shelter str with tonnage openings State Type of Erections. full bridge - 1st deck (main)

TONNAGE under Tonnage Deck ... 261.

CLASS + 100 A 1 State if with freeboard as condition of Class

Built at TRIESTE

Dist. 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) 120.49

Launched 25th July 53 Yard No. 1784

Total

Breadth (greatest moulded) B 30.85

Builders CANTIERI RIUNITI DELL' ADRIATICO

Gross Tonnage 511.

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 16.58

Owners MENTERI PERHUBUNGAN

Net Tonnage 230.

1st Longitudinal Number (L x D) =

Managers

REGISTERED DIMENSIONS. FEET

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

Residence JAKARTA

Length 123.90

Proportions—Depth to Length—Uppermost continuous deck to top of keel = 9.70

Port of Registry JAKARTA

Breadth 30.95

Do. Long Bridge to top of keel =

If surveyed while building, afloat, & in dry dock

Draft 7.64

Draught Moulded 2914.5MM = 9.56

vessel entered on the 23rd Sept. 53

FRAMES, DOUBLE BOTTOM AND BEAMS.

	IN SHIP.	Any Departure from Approved Plans to be Noted.		IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	550	/	Bracket Floors, Frame	115 65 4.5	/
" " from $\frac{1}{2}$ length amidships to Collision bulkhead	550	/	" " Reversed Frame	100 50 8	90 60 8
" " in peaks	550	/	" " Vertical Struts	150 90 10	150 75 8.5
SIDE FRAMING.			Centre Girder, depth and thickness amidships	750 9	/
Frame Amidships, Angle, \angle or \square	115 65 7	/	" " top Angles	115 65	/
" " Extends up to	upper str	/	" " bottom Angles	75 75 9	/
Reversed Frame Amidships, Angle	/	/	Side Girders, No. each side and thickness	1 9	/
" " Extends up to	/	/	Margin Plate depth (excl. of flange) and thickness	650 8	/
Depth of Framing Girder	/	/	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	115 65	/
Frames in Uppermost Continuous 'tween Decks, Angle, \angle or \square	115 65 7	/	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area	115 65	/
" " Second 'tween Decks, Angle, \angle or \square	/	/	" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	/	/
" " Third " " " "	/	/	" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area	/	/
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	115 65 7	/	Tank Side Brackets, height above base line at toe of Frame and thickness	1050 7.5	/
" " in Peaks, Angle or \square	115 65 7	/	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	58 7	/	Breadth and thickness of Middle Line Strake	1000 7.5	/
State if Frame Joggled	no	/	Thickness of remainder in Holds	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?	as apparent	/
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	/	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships \angle or \square	75 50 7	/
Floors, Depth and thickness at mid-line in Holds	/	/	" " in way of Bridge, Angle, \angle or \square	75 50 7	/
Height of Brackets at side above base line at toe of frame	/	/	Spacing	every	/
Middle Line Keelson, on Floors, Angles, \angle or \square	/	/	Second Deck, amidships, Angle, \angle or \square	100 65 7	/
" " Through Plate or Inter-costal Plate	/	/	Spacing	every	/
" " Foundation Plate on Floors	/	/	Third Deck, amidships, Angle, \angle or \square	/	/
" " Flat Plate Keel Angles	/	/	Spacing	/	/
Side Keelsons, No. each side	/	/	Fourth Deck, amidships, Angle, \angle or \square	/	/
" " thickness of Inter-costal Plate	/	/	Spacing	/	/
" " Angles	/	/	Poop Deck, Angle, \angle or \square	75 50 7	/
DOUBLE BOTTOM.			Spacing	every	/
Solid Floors, thickness and spacing	every 5 th	/	Bridge Deck, Angle, \angle or \square	75 50 6	/
" " Are Frame and Reversed Frame joggled?	no	/	Spacing	every	/
Bracket Floors, breadth and thickness at middle line	525 7	/	Forecastle Deck, Angle, \angle or \square	75 50 7	/
" " breadth and thickness at margin plate	525 7	/	Spacing	every	/

PILARS AND DECKS.

[illegible]

SHELL PLATING.

SCANTLING.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.			State if jagged?	SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAFFEN LAPPE
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches, by/in	Inches, by/in	Inches, by/in	Inches, by/in			Inches.	Inches, by/in		Inches.	Inches.		
Flat Plate Keel.....	1000	13	12	13	/	single	3/4	88	/				
„ Dblg. (if any)	✓	✓	✓	✓									
Bottom Plating, No. of Strakes <i>2</i>	<i>A 1650</i>	8	9	8	/	single	5/8	69	/				
Bilge Plating, No. of Strakes <i>1</i>	<i>C 1600</i>	8	7.5	8	/	single	5/8	69	/				
Side Plating, No. of Strakes <i>1</i>	<i>D 1500</i>	8	7.5	8	/	single	5/8	69	/	all bulks welded			
Upper Deck, Sheer- strake in Wells.....	<i>F 1600</i>	8	10	8	/	single	3/4	78	/				
Upper Deck, Sheer- strake in Bridge ...	<i>F 1600</i>	12	✓	✓	/	single	3/4	78	/				
Strake below Sheer- strake in Wells.....	<i>E 1500</i>	8	10	8	/	single	3/4	78	/				
Strake below Sheer- strake in Bridge ...	<i>E 1500</i>	8	✓	✓	/	single	3/4	78	/				
Poop Side Plating.....	✓	✓	✓	6/8	/	single	5/8	69	/				
Bridge Side Plating.....	✓	8	✓	✓	/	welded	✓	✓					
Forecastle Side Plating	✓	✓	6.5	✓	/	welded	✓	✓					

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.	Scantlings. w/in	Maker's Name.	Any De from A Plans to
Extending to Upper Deck (Sec. 3 c)	4 2 to SD	5			
" Deck next below	2 to 2nd Lt	2			
As per Rule		3			
		KEEL, Bar	flat plate		
		STEM	plate built up cl. w.		
		STERN FRAME	Propeller Post	S.A.F.O.G.	GORIZIA

FORGINGS AND CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		5
Extending to Upper Deck (Sec. 3 c)		2
" Deck next below		3
As per Rule		3

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
	1/4"	1/4"	1/4"		
MIDSHIP BULKH'D, Upper 'tween decks fr. 58	✓	✓	✓	✓	✓
" " Second "	✓	✓	✓	✓	✓
" " Third "	✓	✓	✓	✓	✓
" " Holds	7 1/2 x 6 1/2	L 100 x 6 1/2 - 7	720	✓	✓
COLLISION " (in Hold) fr. 82	10 1/2 x 6 1/2	L 100 x 6 1/2 - 7	600	✓	✓
AFTER PEAK " " fr. 1	12 1/2 x 7 1/2	L 100 x 6 1/2 - 7	600	✓	✓

	Casting or Forging.	Scantling. 1/4"	Maker's Name.	Any De from As Plans to
KEEL, Bar	flat plate			
STEM	plate built up cl. w.			
STERN FRAME	Propeller Post Rudder	cast steel	1000 upper rudder	S.A.F.O.G. GORZIA
Speed of Vessel	knots	10		
RUDDER—Type	simplex balanced			
" A x D.	?			
" Diam. of head	forging	137	TERNI	
" Mainpiece at top pintle		✓		
" " heel		✓		
" how constructed	built up			
" double or single plate	yes			
" coupling, vertical or horizontal	yes			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *100% Hot Rolled*
 ILVA : BAGNOLI ; ILVA : MARGHERA ; ILVA : NOVI ; ILVA : SAVONA ; ILVA : TRIESTE ;
 ALPINE - DONAWITZ ;
 Has the Steel been tested as required by the Rules? *Yes*

EQUIPMENT No. 8100

LETTER.....2

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 35.		Description of Anchor.	Makers.	Where and when tested, and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.					
4324	1st Bow	14	3	7	✓	✓	✓	16	3	1	31	✓	14.50	Halle type	ISAIAH	CRAIGLEY HEATH	
4385	2nd "	14	3	0	✓	✓	✓	16	5	2	14	✓	13.75	Stockless	PRESTON	27.3.53	
4386	3rd "	14	3	0	✓	✓	✓	16	5	2	14	✓	13.50	(cast steel head)	L.D.	H. PHILLIPS	
	Collective weight	42	8	7								✓	41.75				
4391	Stream	4	1	8	✓	1	0	11	6	15	0	0	✓	4.25	Ordinary Pattern (thru-stroke)	So	So

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. Inches <i>m</i>	Diam. in <i>n</i>	Stair- way. Tons.	Break- ing. Tons.	Supplied.	Per Rule.	Length. Inches <i>m</i>	Diam. in <i>n</i>					Length. Inches <i>m</i>	Diam. in <i>n</i>		Length. Inches <i>m</i>	Diam. in <i>n</i>	Length. Inches <i>m</i>	Diam. in <i>n</i>
1332	389	30	265	338	8306	7040	355	30	nick steel plate L & S	I. J. THEILE SCHWERTE RUNN	SCHWERTE-RUNN 28.5.53 J. RUAST	TOWLINE	135	30	154	50	135	30	
												HAWSEYS & WARPS	"	100	b	90	b		
a Stream main op -Hawse	200	205	8	16	1908	1110	110	205	short link	50	SCHWERTE-RUNN 4. 6. 53 J. RUAST	"	"						

steering Gear, Type (Power or hand) electric - hydraulic Alternative Means of Steering hand hydraulic

teering Chains (Size and Test)	Windlass	Disc Spinner	Boats	4 lifeboats
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ailing in Holds, thickness and material 50 mm - Yangon Cargo Battens, thickness, material and spacing 50 mm - Yangon

Large Hatchways.—(Upper Deck) 760×10.5 - horiz. stiff. $\leq 180 \times 75 \times 8$ Thickness of Hatches 63% yang wood

Size of Hatchways No. 1 (Fwd.) 6050.3600 No. 2 6050.3600 No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters	5	5	✓	✓	✓	✓

Builder's Signature

CANTIERI RIUNITI DELL'ADRIATICO

Tracy

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. motorship

(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).

This vessel has been built under special survey in conformity with the Society's Rules and Regulations and Secretary's letters. - The scantlings and arrangements of the ship are as given in the report and as shown and amended in 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. - The plans of midship section and profile and tanks showing the ship as built, now forwarded herewith, have been checked with the approved arrangements and found in order. - The materials used in the construction have been tested to Rule Requirements by the Society's Surveyors and the quality of workmanship is good. -

Peaks, rimbles below tanks, deep tanks, tanks in motor space, seats and

he amount of Entry Fee.....	33.00 £	10	0	0	Fees applied for,	
SEE BOARD :	20	15	0	0	17	19
S. F. A.	20	10	0	0	No rendered from	(Special notations, where part of class, to be stated.)
Special Survey Fee.....	1.00	10	0	0	London	
FF. RKF.	22	10	0	0	Received by me,	
FF. FUND	20	0	0	0		
Eno Travelling Expenses, if any	13.00	0	0	0		

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

ate whether the Vessel has been built under Special Survey 4-10

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

..... Date of issue 5/12/55

Committee's Minute..... TUESDAY 24 NOV 1953

1-15291

Character assigned TIOWAI. ✓

9.53 Tri

Plant. Arch. + 1 m. 10. 53. 6. 18. 17. 18. 19. 20.

20. J. 1142 12-12-10. 53 Oil Eng. (Personal Endorsement)

OG.

Handwritten text: *Handwritten text, possibly a signature or name, is visible on the left side of the page.*

881

5th.

010355-010361-0293

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.)

and bulkheads, double bottom cofferdams tested to Rule Requirements with satisfactory results -

Oil fuel, F.P. above 150° F, may be carried in double bottom tanks n.o 4-5-6 and n.o 7 (starboard side only) -

The freeboard marks have been cut in on vessel's sides and verified and L.L.S.T. certificate issued for voyage to JAKARTA - Copy a book herewith -

Steering gear and winches tried under working conditions and found satisfactory -

Certificates of: loss of propeller post, upper part of stem frame, stem post below part and rudder post casting were forwarded for the series of 5 sister vessels with TRIESTE report n.o 13849, n.v. "NAIRA" -

Certificate of: rudder stock forwarded herewith -

The "as built" plans for the 1st vessel, "NAIRA" have now been entered for this vessel and for the last of the series, "NURURI" which will be handed to the Owners at the end of this month -

This vessel is a sister ship of: "NAIRA" - TRIESTE report n.o 13849;

"NURAGE" - 50 50 n.o 13865;

"NUKAHA" - 50 50 n.o 13875 -

The notation requirements are:

Steel BB 124.5 t + 1st W.B. 119. t + 1st OF 1st F.W.;

IT of 5.4 t + 17. t F.W.;

FPT 15.5 t

APT 28.5 t

PARTICULARS OF ELECTRIC WELDING (if employed) Bulbs and seams of tank plating, bulks of the plating, bulks and seams of tank top plating, bulks and seams of bulkhead plating, double bottom internal structure entirely welded except solid floor connecting to shell and centre girder bottom angles; motor seats and minor details - Welding carried out by experienced operators using approved electrodes -

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

Cumulative stress - part electrically welded - E.S.D.

RADAR Equipment (State if 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 (head)	3 cwt	3 qts	1 lbs	A. GALLIFORD	7103	27.11.52
	2nd (head)	8 "	2 "	26 "	50	7100	50
	3rd (head)	8 "	2 "	12 "	50	7101	50

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 39.70ft., R.Q.D. ✓ ft., Bridge 30.71 ft., Forecastle 22.75 (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. ✓ Signal Letters PKHG Extreme Breadth over Belting (Circ. 1611) Over-all Length 181.45 (Circ. 1703)

No. and Material of Decks 2 steel decks

Parts of Bottom of Vessel coated with cement or approved composition: all tanks exclusively used for water; hold bilges & engine room bilges coated with bituminous

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,	Feet.	Tons.	Fore peak tank, $82 \div 89 \frac{1}{2}$ (F.W. n.v. B.)	13.15	15.0
Double bottom, under Engines and Boilers,	✓	✓	After peak tank, $10 \div 6$ (F.W. n.v. B.)	10.50	28.0
Double bottom, aft under Engines only, $10 \div 22$	21.65	$\frac{50 \text{ T. } 12.5}{\text{O.F. } 2.5}$	Deep tank, aft, in E.R. $16 \div 9$ (F.W.)	5.40	20.0
Double bottom, if under Boilers only,		$\frac{\text{O.F. } 31.5}{\text{W.B. } 119.0}$	Deep tank, forward, $79 \div 82$ (F.W.)	5.40	17.0
Double bottom, forward, $22 \div 79$	102.85		Other tanks, if fitted,		
Total length (if continuous) and Capacity $10 \div 79$	124.5	119.0	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 234

Date 20.5.52

Dates of Surveys held while building

1952: Aug. 30; 1953: Jan: 12, 14; Feb.: 2, 5, 7, 9, 16, 27; March: 3, 7, 11, 14, 23; Apr.: 5, 16, 29; May: 8, 22, 25, 26, 30; June: 5, 10, 17, 18, 19, 23, 25, 27; July: 2, 3, 6, 8, 10, 11, 16, 22, 25, 29, 30; Aug.: 4, 18, 24, 26, 29, Sep: 8, 21, 21, 23, 28, 29; Oct: 1 -

Total No. of Visits 56

For S.S.O.F. see main ship "Naira" yd No. 1781.