

STEEL STEAMER or MOTORSHIP.

25 OCT 1947

Received at London Office

State if Report has been sent on the Freeboard of the Vessel *FB assigned by R.I.*State if Report is sent on the Machinery of the Vessel *yes*

Date of completion of report

20th OCTOBER 1947

Port of *Genoa*

No.

16566

Survey held at

Genoa

Date First Survey

27-5-47

Last Survey

3-10-

1947

On the

(State if Machinery fitted Aft and of Single, Twin or Triple Screw)

Twin screw *ARIETE*

(Machinery fitted Aft)

State Type

(Full Scantling, Complete Superstructure with or without Tonnage Openings)

Full scantling

State Type of Erections

Poop-Bridge-Forecastle

TONNAGE under Tonnage Deck ...

4364

CLASS

100A

State if with freeboard as condition of Class

no

Built at

Gothenburg

Launched

Yard No. 334

Builders

Göteborgs M.V. Aktiebolag

Owners

Soc. Transoceanica Italiana

Managers

(Where necessary to be entered in Reg. Book)

Residence

Roma

Port of Registry

ROMA

If surveyed while building, afloat, or in dry dock

afloat & in dry dock

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total

Gross Tonnage

5069

Net Tonnage

2714

REGISTERED DIMENSIONS.

FEET

355.1

55.2

29.9

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 355

Breadth (greatest moulded)

B 55

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

D 30

1st Longitudinal Number (L x D)

10650

2nd Numeral L x (B + D)

30175

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

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

11.84

Do. Long Bridge to top of keel

Draught Moulded

25.23

FRAMES, DOUBLE BOTTOM AND BEAMS.

	m.m. INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	m.m. INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
AMES, Spacing amidships			Bracket Floors, Frame	
from 1/3 length amidships to Collision bulkhead			Reversed Frame	
in peaks			Vertical Struts	
E FRAMING.			Centre Girder, depth and thickness	<i>in E. Sp.</i> 2000 x 14
Frame Amidships, Angle, [or]			top Angles	90 x 90 x 11.5
Extends up to			bottom Angles	120 x 120 x 14 <i>thick: 13.6</i>
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	N°4 122 x 122 x 13.6
Extends up to			Margin Plate depth (excl. of flange) and thickness	
Depth of Framing Girder			Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	
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			Tank Side Brackets, height above base line at toe of Frame and thickness	
in Peaks, Angle or [INNER BOTTOM PLATING. <i>in E. Sp.</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships			Breadth and thickness of Middle Line Strake	1750 x 12.2
State if Frame Joggled			Thickness of remainder in Hold <i>in E. Sp.</i>	12.2
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bankers and Boiler Room?	yes
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			BEAMS.	
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	
Floors, Depth and thickness at mid-line in Holds			in way of Bridge, Angle, [or]	
Height of Brackets at side above base line at toe of frame			Spacing	
Middle Line Keelson, on Floors, Angles			Second Deck, amidships, Angle, [or]	
Through Plate or Intercoastal 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 Intercoastal Plate			Spacing	
Angles			Poop Deck, Angle, [or]	
DOUBLE BOTTOM. under Engine space			Spacing	
Solid Floors, thickness and spacing			Bridge Deck, Angle, [or]	
Are Frame and Reversed Frame joggled?			Spacing	
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, [or]	
breadth and thickness at margin plate			Spacing	

32064 estimated at this Office 11.10

M/T "ARIETE"

GENOA REPORT 16566

PILLARS AND DECKS.

pt. 1°

PARTICULARS OF LONGITUDINAL FRAMING.

PILLARS, No. of Rows	IN SHIP.		Any Departure from Approved Plans to be Noted.
	IN SHIP.	IN SHIP.	
Stringer Plate, breadth and thickness in way of Bridge	192		
Thickness of Plating abreast Deck openings in way of Wells	192		
Thickness of Plating abreast Deck openings in way of Bridge	192		
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	1300x77		
Plating, Sheathing, material and thickness	7.7 - sheathing 75		
Bridge Deck.			
Stringer Plate, breadth and thickness	1450x92		
Plating, Sheathing, material and thickness	62 - sheathing 75		
Forecastle Deck.			
Stringer Plate, breadth and thickness	87x82		
Plating, Sheathing, material and thickness	62 - sheathing 75		

FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.		
	In Ship.	In Ship.	In Ship.	In Ship.	In Ship.	In Ship.		Rivets in Longitudinal Frames.	Spacing of Rivets on each side of Transverse and Bulkheads.	Rivets in Brackets to Bulkheads.
of L, L or C	11.17							22 132		
in Bridge 'tween Decks	150x70x8							22 132	132	8 22
from Uppermost Continuous Deck	190x88x101									
No. 1	190x88x101									
No. 2	203x88x101									
No. 3	203x88x101									
No. 4	203x88x101									
No. 5	228x88x101									
No. 6	241x88x111									
No. 7	241x88x127									
No. 8	254x88x127									
No. 9	254x88x142									
No. 10	266x88x142									
No. 11	304x127x88x88x152									
No. 12	304x133x101x101x152									
No. 13	381x133x101x101x16									
No. 14	381x133x101x101x16									
No. 15										
No. 16										
Amidships	770									
At Ends	750									

SHELL PLATING.

STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.		STRAPPED LAPPED
	AMIDSHIPS.	FORWARD.	AFT.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		State if Joggled?	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.	
Flat Plate Keel	1170	22	19	22		double	25 88	4	25 88	
Dbg. (if any)	1220		137				22 77	4	22 77	
Bottom Plating, No. of Strakes	1220	14.7	14.2	11.2			22 77	4	22 77	
Bilge Plating, No. of Strakes	1500	14.7	14.2	12.2			22 77	3	22 77	
Side Plating, No. of Strakes	1215	14.7	14.2	11.2			22 77	3	22 77	
Upper Deck, Sheer-strake in Wells							25 88	4	25 88	
Upper Deck, Sheer-strake in Bridge	1500	14.8	12.7	13.7			22 77	3	22 77	
Strake below Sheer-strake in Wells							19 76	2	19 76	
Strake below Sheer-strake in Bridge	1215	15.7	12.7	12.7		single	22 99	3 1/2	22 110	
Poop Side Plating		12.7 ÷ 8.7					19 76	2	19 76	
Bridge Side Plating		12.7								
Forecastle Side Plating		8.7								

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	12 AF, 42, 43, 49, 56, 62, 63, 66 all
Extending to Upper Deck (Sec. 3 c)	12 884 in record see letter 24.2.48
Deck next below	
As per Rule	6

STIFFENERS.

MIDSHIP BULKH'D, Upper 'tween decks	VERTICAL.		HORIZONTAL.	
	Scantlings.	Spacing.	Scantlings.	Spacing.
Second				
Third				
Holds				
COLLISION (in Hold)				
AFTER PEAK				

FORGINGS AND CASTINGS.

KEEL, Bar	Casting or Forging.	Scantlings.	Maker's Name.	Any Dep. from App. Plans to be Noted.
STEM				
STERN FRAME				
Propeller Post				
Rudder				
Speed of Vessel				
RUDDER-Type				
A x D				
Diam. of head				
Mainpiece at top pintle				
heel				
how constructed				
double or single plate coupling, vertical or horizontal				

Top Longitudinals
Bottom Longitudinals
Longitudinals
At ends... forward

Transverses.
Depth and Thickness
Face Angles
Lugs to Shell
Depth and Thickness
Face Angles
Lugs to Shell
Back Bars
Brackets

Bridge Deck
Upper
Trunk
Third

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., 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, &c., on the first page.

Character assigned
100A - any - in in which it above
7.47 Gm 14. Gm 10.47 (Dr.) 150°
Classed 10.47

not for RR

LMC 9.47
5 (0.4) 47 DR 130.8

0210 3/4

STEEL.

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

Has the Steel been tested as required by the Rules?

ANCHORS.

HAWSERS AND WARPS.

0210 ³/₃

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 workmanship is good.

Vessel placed in dry dock, bottom and rudder cleaned examined and recoated. All cargo tanks and cofferdam cleaned examined and tested as per Rule. Fore hold and Engine space cleaned and examined. O.F. bunkers, fore deep tank, peaks & double bottom tanks cleaned, examined, cemented as necessary and tested. Shell plates drilled (drilling sheet enclosed), a few rivets removed to ascertain the quality of workmanship. Decks, ventilators, air and sounding pipes, hatchways examined; windlass & steering gear examined and tested under working condition. Free board assigned by R.I. verified (see verification form attached).

Cables (ranged) & anchors examined: see equipment description. As the test certificates of the anchors & chain cables could not be produced in time, it is submitted the assignment of figure "1" be postponed until all necessary certificates are available.

Masts & Rigging etc. See Rigging Report attached.

Repairs now carried out

1) Damage stated caused by touching bottom on the 21st of April 1947 in Gironde river bar

Some slack rivets electrically built up or caulked on bottom in way of Engine room

2) Wear and tear

a) In Nos 3, 4 central cargo tanks some brackets connecting bottom transverses to longitudinal Bulkheads cracked at top and in the same position some rivets found slack; cracks patched and slack rivets renewed.

b) In No 1 wing cargo tanks Port & Starboard side some web plates & top brackets of side transverses renewed. The two uppermost side longitudinal & longitudinal Bulkheads horizontal stiffeners partly renewed.

c) A few other repairs of minor importance carried out

PARTICULARS OF ELECTRIC WELDING (if employed)

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

cruiser stern

Longitudinal framing —

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

1st Bower

2nd "

3rd "

Trunk aft: 53.5'

Trunk fwd: 97.42'

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 98.4 ft., R.Q.D. ft., Bridge 30.7 ft., Forecastle 43.7

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

Official No. Signal Letters **IBMK** Extreme Breadth over Belting (Circ. 1611)

Over-all Length (Circ. 1703) **367.3**

No. and Material of Decks **1 Dk Steel**

Parts of Bottom of Vessel coated with cement or approved composition

Peak tanks

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,			Fore peak tank,	23	154
Double bottom, under Engines and Boilers,			After peak tank,	27	318
Double bottom, if under Engines only,	76.54	258	Deep tank, aft,	31.5	430
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. **1**

Date

Dates of Surveys held while building

1947 - MAY, 27, 29, JUNE, 22, 24, 27, 28, 30, JULY, 1, 3, 12, 24, 27, 28, 28, AUG., 4, 8, 8, 12, 13, 14, 19, 20, 25, 28, 29, SEPT., 4, 5, 20, 24, 29, 30, OCT., 3.

Total No. of Visits **33**

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