

Rpt. 1.

RECEIVED

14 MAR 1947

IN DO.

Date of completion of report

Survey held at

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

State Type (Full Scantlings, Complete Superstructure with or without Tonnage Openings)

TONNAGE under Tonnage Deck

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

Total

Gross Tonnage

Register Tonnage

REGISTERED DIMENSIONS.

| BRITISH METHOD FEET. | ITALIAN METHOD METRES. |
|-------------------------|---------------------------|
| Length 49.0 | 15.20 |
| Breadth 59.3 | 18.09 |
| Depth 34.0 | 10.37 |

STEEL STEAMER or MOTORSHIP.

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

State if Report is sent on the Machinery of the Vessel

5th January 1946

Port of

TRIESTE

Date First Survey

21st July 1942

Last Survey

25th January 1947

SINGLE SCREW MOTOR TANKER

LIBURNIA

MACH. FITTED AFT.

FULL SCANTLINGS

State Type of Erections

POOP, BRIDGE & FOCL.

CLASS +100 A1

State if with freeboard as condition of Class

No

Built at TRIESTE

Launched 23RD OCT. 1946 Yard No. 1253

Builders CANTIERI REUNITI DELL'ADRIATICO

Owners SOC. IT. DI ARMAMENTO SIARMA.

Managers

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

Residence VENICE

Port of Registry ROME

If surveyed while building, afloat, or in dry dock

WHILST BUILDING AND IN DRY DOCK.

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. |
|---|---|--|---|---|--|
| FRAMES, Spacing amidships | 780 (OIL TANKS) ✓ 770 (MACH. SPACE) ✓ 680 (FORE OVERTANK) ✓ 950 (COFFERDAMS) ✓ | | Bracket Floors, Frame | ✓ | |
| " " from $\frac{3}{8}$ length amidships to Collision bulkhead | | | " " Reversed Frame | ✓ | |
| " " in peaks | 6'0 | | " " Vertical Struts | ✓ | |
| IDE FRAMING. | | | Centre Girder, depth and thickness amidships | 1220 14 ✓ | |
| Frame Amidships, Angle E or C | 250 90 10.5 ✓ | | " " top Angles | 90 90 14 ✓ | |
| " " Extends up to | UPPER DECK ✓ | | " " bottom Angles | 100 100 16 ✓ | |
| Reversed Frame Amidships, Angle | " | | Side Girders, No. each side and thickness | ONE 12.5 ✓ | |
| " " Extends up to | " | | Margin Plate | MIN. 14 ✓ | |
| Depth of Framing Girder | 250 ✓ | | " HORIZ. Vertical Angle to Tank side | 175 65 12.5 ✓ | |
| Frames in Uppermost Continuous 'tween Decks, Angle, [or C | " | | " " Vertical Angle to Tank side | " | |
| " " Second 'tween Decks, Angle, [or C | " | | " " Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area | " | |
| " " Third " " " " | " | | " " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem | " | |
| " " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem | 280 90 11.5 ✓ | | " " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area | " | |
| " " FORE PEAK | 200 90 12.5 ✓ | | Tank Side Brackets, height above base line at toe of Frame and thickness | 1940 10.5 ✓ | |
| " " in Peaks, Angle or C | 230 90 10.5 ✓ | | INNER BOTTOM PLATING, IN MOTOR SPACE | | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships | 22 @ 5 1/2 DIAS. ✓ | | Breadth and thickness of Middle Line Strake | TRANSVERSELY ✓ | |
| State if Frame Joggled | YES ✓ | | Thickness of remainder in Holds | 14 16 + 18 ✓ | |
| 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. space and framing in Bunkers and Boiler Room? | YES ✓ | |
| Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? | YES ✓ | | BEAMS. | | |
| NGLE BOTTOM. | | | Uppermost Continuous Deck, amidships | LONGIT. FRAMING IN WAY OF CARGO TANKS. ✓ | |
| Floors, Depth and thickness at mid-line in Holds | LONGIT. FRAMING ✓ | | " " in Wells, Angle, [or C | " | |
| Height of Brackets at side above base line at toe of frame | " | | " " CLEAR OF OIL TANKS in way of Bridge, Angle, [or C | 200 75 11.5 ✓ | |
| Middle Line Keelson, on Floors, Angles, [or C | " | | " " Spacing | EVERY | |
| " " Through Plate or Intercostal Plate | 10.5 10.5 ✓ | | Second Deck, amidships, Angle, [or C | " | |
| " " Foundation Plate on Floors | 90 90 11 ✓ | | " " Spacing | " | |
| " " Flat Plate Keel Angles | 100 100 12.5 ✓ | | Third Deck, amidships, Angle, [or C | " | |
| Side Keelsons, No. each side | " | | " " Spacing | " | |
| " " thickness of Intercostal Plate | " | | Fourth Deck, amidships, Angle, [or C | " | |
| " " Angles | " | | " " Spacing | " | |
| DOUBLE BOTTOM. (IN MOTOR SPACE) | | | Poop Deck, Angle E or C | 200 75 12 ✓ 200 75 10 ✓ 180 75 10 ✓ | |
| Solid Floors, thickness and spacing | 13 (MIN.) EVERY ✓ | | " " Spacing | EVERY | |
| " " Are Frame and Reversed Frame joggled? | NO ✓ | | Bridge Deck, Angle E or C | 165 76 8.5 ✓ | |
| Bracket Floors, breadth and thickness at middle line | " | | " " Spacing | EVERY | |
| " " breadth and thickness at margin plate | " | | Forecastle Deck, Angle E or C | 230 90 10.5 ✓ 200 75 9 ✓ | |
| " " Spacing | " | | " " Spacing | EVERY | |

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Lloyd's Register

PARTICULARS OF LONGITUDINAL FRAMING.

| FRAMING. | AMIDSHIPS. | | | ENDS. | | | Any Departure from Approved Plans to be Noted. | RIVETING. | | | | | |
|--|---------------------|--------|----------|----------|------|------|--|--------------------------------|--------|--|----------------------------------|-----------|--|
| | In Ship. | | | In Ship. | | | | Rivets in Longitudinal Frames. | | Spacing of Rivets on each side of Transverses and Bulkheads. | Rivets in Brackets to Bulkheads. | | |
| | Top | Mid | Bot | Ins. | Ins. | Ins. | | Diam. | Spang. | | Number. | Diameter. | |
| Framing of L, C or C Transverses in Bridge 'tween Decks ... Transverses from Uppermost Continuous Deck No. 1 " 2 " 3 " 4 " 5 " 6 " 7 " 8 " 9 " 10 " 11 " 12 " 13 " 14 " 15 " 16 Position of longitudinal frames } Amidships " } At Ends | | | | | | | | | | | | | |
| Tank Top Longitudinals } Bottom " } Transverses of Longitudinals } Amidships " } At Ends... | FACE SHELL | ANGLE | PLATE | | | | | | | | | | |
| | 100x90 | 90x90 | 430x10.5 | | | | | | | | | | |
| | x11 | x11 | | | | | | | | | | | |
| | 835m/m | 465m/m | | | | | | | | | | | |
| Transverses. | | | | | | | | | | | | | |
| Decks | Depth and Thickness | | | | | | | | | | | | |
| | Face Angles | | | | | | | | | | | | |
| | Lugs to Shell* | | | | | | | | | | | | |
| TANKS | Depth and Thickness | 1015 | 11 | | | | | | | | | | |
| | Face Angles SINGLE | 150 | 90 | 13 | | | | | | | | | |
| | Lugs to Shell* | 150 | 150 | 13 | | | | | | | | | |
| | Depth and Thickness | 1015 | 11 | | | | | | | | | | |
| | Face Angles DOUBLE | 150 | 90 | 13.5 | | | | | | | | | |
| | Lugs to Shell* | 150 | 150 | 13 | | | | | | | | | |
| | Depth and Thickness | 1015 | 11 | | | | | | | | | | |
| | Face Angles | 150 | 90 | 13 | | | | | | | | | |
| | Lugs to Shell* | 150 | 150 | 13 | | | | | | | | | |
| | " " Back Bars | 90 | 90 | 11 | | | | | | | | | |
| | Brackets | 1500 | 1680 | 11 | | | | | | | | | |
| | | 3120 | | | | | | | | | | | |
| Final of | Bridge Deck | | | | | | | | | | | | |
| | Upper WINGS | 200 | 90 | 11.5 | | | | | | | | | |
| | Second CENTRE | 200 | 90 | 12.5 | | | | | | | | | |
| | Third | | | | | | | | | | | | |

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

| EQUIPMENT No 4245 | | | | | | | | | | LETTER C+ | | ANCHORS. 3B. 1S. | | | |
|------------------------|--------------------|-------------------|------|------|------------------|------|------|------------------------|-------|-----------|------------------------------|------------------------|------------|---|-----------------------|
| 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. | |
| 839 | 1st Bower ... | Cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | Tons. | cwts. | qrs. | lbs. | Owts. | 5700 LBS | I.L.V.A | VENICE 31.10.41 R.I. |
| 444 | 2nd " ... | 3940 | | KGS. | ✓ | | | 58380 | KGS. | | | 3910 KGS. | STOCK LESS | MARGHERA | VENICE 31.10.41 R.I. |
| 834 | 3rd " ... | 3933 | | " | ✓ | | | 58320 | " | | | 3910 " | " | " | VENICE 2.4.41. R.I. |
| | Collective weight. | 3893 | | " | ✓ | | | 57230 | " | | | 3330 " | " | " | VENICE 31.10.41. R.I. |
| 445 | Stream | 1162 | | " | (219) | | KGS. | 27815 | | | | 11150 ✓ | " | " | VENICE 2.4.41. R.I. |
| | | | | | | | | | | | | 1120 ✓ | ADMIRALTY. | " | VENICE 2.4.41. R.I. |

| Rule 291 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 and Size supplied. | Breaking Test of Steel Wire. | Length and Size per Table 53. | Length and Size supplied. | Breaking Test of Steel Wire. | Length and Size per Table 53. |
| 464 | 550 | 62 | 108960 | KGS. | 44100 | 45440 | 550 | 62 | STUD LINK | C.C. BASSOLI LEGHORN. | 12/10/40 | 12/12/42 | 6/43 | 24/12/42 | 12/41 | | | | |
| 545 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 551 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 551 B | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 551/7 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Stream (Chain of Steel Wire) | 220 | 124 | 53640 | — | — | — | 220 | 124 | 6x27+162 WIRES | S.A. FERRIERE G. CIMA LENO | 11.5.43 | R.I. | ✓ | | | | | | |

Steering Gear, Type (Power or hand) POWER STEAM HYDRAULIC ✓ Alternative Means of Steering HAND GEAR ✓

Steering Chains (Size and Test) Windlass STEAM. ✓ CANTIERI NAVALI, E 4 LIFE BOATS @ 28 PERSONS ✓
OFFICINE MECCANICHE BOATS 1 DINGHY. ✓
VENICE

Ceiling in Holds, thickness and material ✓ Cargo Battens, thickness, material and spacing ✓

Cargo Hatchways.—(Upper Deck) 760x11 AND 480x12.5 ON FOC/E DK. Thickness of Hatches STEEL 12.5

Size of Hatchways No. 21 OFF @ 1150x1500 No. 1 OFF @ 2420x3000 No. 3 No. 4 No. 5 No. 6
UPPER DK. ON FOC/E DK.

Number of Shifting Beams STEEL O.T. COVERS SUITABLY STIFFENED TO CARGO TANKS AND STEEL W.T COVER. SUITABLY
and/or Fore and Afters STIFFENED TO CARGO HOLD.

Builder's Signature CANTIERI RIUNITI DELL'ADRIATICO
Flaminio

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 OIL TANKER ✓
 be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built in accordance with the Rules and approved plans. The materials have been tested to Rule requirements by the Society's Surveyors and the quality of the workmanship is good!
The whole of the cargo tanks, cofferdams, oil fuel bunkers, fore & after peak Tanks, Double Bottom Tanks, weather decks & Bulkheads have been tested in accordance with the Rule requirements with satisfactory results!
The scantlings and arrangements of the fore & after Ends clear of the oil Tanks are in accordance with the approved plans. Steering gear and winches tested 30/4/47.
The freeboards to this vessel have been assigned by the Registro Italiano and the markings have been cut on the vessel's sides.
This vessel is a sistership to the M.T. "CARNARO" Yarn No 1251 and to M.T. "ILLIRIA" Yarn No 1252 and copies of the approved plans are already in the P.T.O.

The amount of Entry Fee £ 197 Fees applied for, 197
 Special Survey Fee £ 56 Received by me, 19
 Travelling Expenses, if any £ 24.200 -

I am of opinion the Vessel should be Classed +100A1
CARRYING PETROLEUM IN BULK.
LONGIT. FRAMING AT BOTTOM AND DECK.

State whether the Vessel has been built under Special Survey Yes. Signature M. Constantino & C. Giacomelli
 Certificate to be sent to This office. Date of issue 28/1/48 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI 23 MAY 1947

Character assigned +100A1 subject "Carrying petroleum in bulk"
1.47 Tri
L.M.C. 1.47
(with endorsement)
Oil Eng. C.L. January
2 DB. 185 lb
Uniq Tri

0243 1/3

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.)

London office.

This vessel, when on the stocks, was badly damaged by bombing during the war, and about 550 tons of steel material had to be replaced.

PARTICULARS OF ELECTRIC WELDING (if employed)

all Butts of shell plating, except sheenstroke, all Butts of deck plating, except stringer and middle line stroke, electrically welded. Tank top and motor seating, Deck houses and Rudder electrically welded. Also a number of items of minor importance. The electrodes used in the construction are of an approved type, and the welding has been carried out by experienced operators.

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

Longitudinal framing at Bottom and Deck. Cruiser Stern.

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

| 1st Bower | HEAD | WEIGHT KGS. | NO. CERT. | DATE | SHANK | WEIGHT KGS. | NO. CERT. | DATE |
|-----------|------|-------------|-----------|---------|-------|-------------|-----------|---------------------|
| | | 2370 | R1 839 | 28.8.41 | | 1190 | R1 839 | 28.8.41 |
| 2nd " | " | 2415 | R1 744 | 23.1.41 | " | 1170 | R1 744 | 23.1.41 |
| 3rd " | " | 2360 | R1 817 | 28.8.41 | " | 1140 | R1 837 | 28.8.41. See letter |

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 100 ft., R.Q.D. ft., Bridge 43.5 ft., Forecastle 48.3 ft.

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

Official No. 248 Signal Letters I.B.O.X Extreme Breadth over Belting 57 Over-all Length 498.7
No. and Material of Decks 1 DECK STEEL AND 2ND DECK STEEL. CLEAR OF CARGO TANKS.
Parts of Bottom of Vessel coated with cement or approved composition FEED AND SANITARY F.W. TANKS IN MOTOR SPACE.
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. |
|---|---------|-----------------|--|---------|-----------------|
| | Feet. | Tons. | | Feet. | Tons. |
| Double bottom, aft, | - | - | Fore peak tank, | 24 | 133 |
| Double bottom, under Engines and Boilers, | - | - | After peak tank, | 18 | 102 |
| Double bottom, if under Engines only, 11-42 78' | 46 | 170 | Deep tank, aft, | - | - |
| Double bottom, if under Boilers only, | - | - | Deep tank, forward, | 25 | 327 |
| 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. 184

Date 27.3.1940

Signature 54.40

Dates of Surveys held while building

1942, July 21, 23, Aug. 4, 6, 13, 17, 19, 26, Sept. 10, 30, Oct. 17, 20, Nov. 4, 1943, July 10, 21, Aug. 6, 27, Sept. 8, 22, Oct. 12, 25, Nov. 9, 26, Dec. 2, 14, 21, 28, 1944, Jan. 11, 18, Feb. 16, 21, March 7, 20, 30, 31, Apr. 3, 7, 11, 24, May 4, 16, 27, June 12, July 17, 19, 1945, Jan. 8, Apr. 13, 16, 26, May 13, 28, June 3, 5, 15, 22, 25, 27, July 22, 26, Aug. 6, 12, 16, 27, 31, Sept. 7, 20, 27, 29, Oct. 3, 8, 12, 15, 18, 18, 21, 23, Nov. 5, 22, Dec. 12, 1942, Jan. 8, 16, 23, 24, 28.

Lloyd's Register Foundation