

## STEEL STEAMER or MOTORSHIP.

Received at London Office 21 JUN 1943

State if Report has been sent on the Freeboard of the Vessel No.

State if Report is sent on the Machinery of the Vessel Yes, herewith

1 AUG 1946

IN D.O.

Date of completion of report

Survey held at Trieste

Date First Survey 20.4.1940

Port of TRIESTE

No. 12987

1943

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

Single Screw Motor Tanker "Carnaro"

Machinery fitted aft

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

Full scantlings

State Type of Erections Coop, Bridge &amp; Pile

TONNAGE under Tonnage Deck...

7350

CLASS

100 A1

State if with freeboard as condition of Class No.

Built at Trieste

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

Total

4350

Gross Tonnage

8257

Register Tonnage

4913

REGISTERED DIMENSIONS.

Length

498.56

Breadth

62

Depth

34

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

L 469.83

Breadth (greatest moulded)

B 59.06

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

D 34.06

1st Longitudinal Number (L x D)

= 16002

2nd Numeral L x (B + D)

= 43751

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

✓

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

13.74

Draught Moulded

27'-5"

Launched 9/7/1942 Yard No. 1251

Builders Cantieri Riuniti dell'Adriatico

Owners Soc. It. di Armamento "SIDARMA"

Managers

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

Residence

Venice

Port of Registry

Rome

If surveyed while building, afloat, or in dry dock

while building

## 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	780 (OIL TANKS)	✓	Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead	740 (Machinery)	✓	" " Reversed Frame		
" " in peaks	680 (FORE DECK)	✓	" " Vertical Struts		
DE FRAMING.	950 (COFFERDAMS)	✓	Centre Girder, depth and thickness amidships	1220 14	✓
Frame Amidships, Angle, [ or ]	610	✓	" " top Angles	90 90 14	✓
" " Extends up to	250 90 10.5	✓	" " bottom Angles	100 100 16	✓
Reversed Frame Amidships, Angle	Upper DECK	✓	Side Girders, No. each side and thickness	ONE 12.5	✓
" " Extends up to	✓		HORIZ. TRANS. PLATING		
Depth of Framing Girder	250	✓	Margin Plate depth (excl. of flange) and thickness	MIN. 14	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	✓		" HORIZ. Vertical Angle to Tank side	175 65 12.5	✓
" " Second 'tween Decks, Angle, [ or ]	✓		Bracket abaft 1/2 len. from stem		
" " Third " " "	✓		" " Vertical Angle to Tank side	✓	
from 1/2 len. for'd. to 15% len. from Stem	280 90 11.5	✓	Bracket from forward 1/2 len. from stem to Panting Area		
FORE PEAK	200 90 12.5	✓	Gussets, spacing and scantling abaft 1/2 len. from stem		
in Peaks, Angle, [ or ] AFTER PEAK	230 90 10.5	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 @ 5 1/2 d.	✓	BILGE IN OIL TANKS		
State if Frame Joggled	YES	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1965 10.5	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES	✓	INNER BOTTOM PLATING, IN MOTOR SP.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES	✓	Breadth and thickness of Middle Line Strake	TANK TOP PLATES TRANSVERSELY	✓
DOUBLE BOTTOM.			Thickness of remainder in Holds	14 16 + 18	✓
Floors, Depth and thickness at mid-line in Holds	LONGIT. FR.	✓	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	✓
Height of Brackets at side above base line at toe of frame	✓		BEAMS.		
Middle Line Keelson, on Floors, Angles, [ or ]	1015 10.5	✓	Uppermost Continuous Deck, amidships	LONGIT. FRAMING IN WAY OF CARGO TANKS	✓
" " Through Plate or Intercostal Plate	90 90 11	✓	" " in Wells, Angle, [ or ]		
" " TOP ANGLES Foundation Plate on Floors	100 100 12.5	✓	" " CLEAR OF OIL TANKS in way of Bridge, Angle, [ or ]	200 75 11.5	✓
" " Flat Plate Keel Angles	✓		Spacing	EVERY	
Side Keelsons, No. each side	✓		Second Deck, amidships, Angle, [ or ]	✓	
" " thickness of Intercostal Plate	✓		Spacing	✓	
" " Angles	✓		Third Deck, amidships, Angle, [ or ]	✓	
DOUBLE BOTTOM. (IN MOTOR SP.)			Spacing	✓	
Solid Floors, thickness and spacing	13 (MIN) @ EVERY	✓	Fourth Deck, amidships, Angle, [ or ]	✓	
" " Are Frame and Reversed Frame joggled?	No.	✓	Spacing	200 75 12.5	✓
Bracket Floors, breadth and thickness at middle line	✓		POOP DECK, Angle, [ or ]	200 75 10	✓
" " breadth and thickness at margin plate	✓		Spacing	180 75 10	✓
			Bridge Deck, Angle, [ or ]	165 76 8.5	✓
			Spacing	EVERY	
			Forecastle Deck, Angle, [ or ]	230 90 10.5	✓
			Spacing	200 75 9	✓
				EVERY	



## 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.
<b>PILLARS, No. of Rows.....</b>					Stringer Plate, breadth and thickness in way of Bridge .....				
"    in 'tween Decks, Size and Spacing.....					Thickness of Plating abreast Deck openings in way of Wells .....				
"    "    "    "    "					Thickness of Plating abreast Deck openings in way of Bridge .....				
"    in Holds    "    "					Thickness of Plating within line of openings...				
"    "    "    "    "					If Sheathed, material and thickness .....				
<b>Centre Line Bulkhead.</b>	250	90	10.5	✓	<b>Third Deck.</b>				
Stiffeners and Spacing	✓	780		✓	Stringer Plate, breadth and thickness.....				
2 HORIZ. GIRDERS AS PER PLAN					If Plated, state thickness.....				
Plating, thickness of .....	11	to	10	✓	<b>Fourth Deck.</b>				
<b>STRINGERS AND DECKS.</b>					Stringer Plate, breadth and thickness.....				
<b>Uppermost Continuous Deck.</b>					If Plated, state thickness .....				
Stringer Plate, breadth and thickness in Wells	2090	20	✓	✓	<b>Poop Deck.</b>				
"    "    "    "    in way of Bridge	19.5	✓			Stringer Plate, breadth and thickness .....	9.5			
"    Angle in Wells .....	180	180	18	✓	Plating, Sheathing, material and thickness .....	Temporarily unsheathed 6.5			
Thickness of Plating abreast Deck openings in way of Wells .....	19	✓			<b>Bridge Deck.</b>				
Thickness of Plating abreast Deck openings in way of Bridge .....	✓				Stringer Plate, breadth and thickness.....	10.5	✓		
Thickness of Plating within line of openings...	14.5	✓			Plating, Sheathing, material and thickness .....	8.5	✓		
If Sheathed, material and thickness .....	✓				<b>Forecastle Deck.</b>				
<b>Second Deck.</b>					Stringer Plate, breadth and thickness.....	9.5	✓		
Stringer Plate, breadth and thickness in Wells...	✓				Plating, Sheathing, material and thickness ...	8.5	✓		

## SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.		SINGLE OR DOUBLE.	Diam. Spacing cr. to cr. Inches. Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	2170	23	20	20		DOUBLE	25 98	THREE	25	100	Electrically Welded + OUTSIDE STRAP
"    DBLG. (if any)	1825	17.5	17	16							
BOTTOM PLATING, No. of Strakes FOUR.....	1885	16.5	14.5	14		DOUBLE	22 87	THREE	22	88	
BILGE PLATING, No. of Strakes ONE.....	2140	16.5	13.5	14		"	22 87	THREE	22	88	
SIDE PLATING, No. of Strakes THREE.....	2200	16.0	13.5	13.5		"	22 87				
	2120	16.0	13.10	12.5		"	22 87				EL. WELDED
UPPER DECK, Sheer-strake in Wells.....	2120	16.5	13.10	12.5		"	25 98	FIVE	28	126	LAPPED
UPPER DECK, Sheer-strake in Bridge ...	1350	27	13	12.5		"	25 98	FIVE	28	126	
STRAKE BELOW Sheer-strake in Wells.....	1350	26.5				"	22 87				EL. WELDED
STRAKE BELOW Sheer-strake in Bridge ...	2120	20	13	12.5							
POOP SIDE PLATING .....				10		SINGLE	22 86	TWO	19	66	LAPPED
BRIDGE SIDE PLATING ...		11				DOUBLE	22 87	TWO	19	66	LAPPED
FORECASTLE SIDE PLATING			11			SINGLE	22 85				EL. WELDED

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)

FIFTEEN ✓

Deck next below

✓

As per Rule

SEVEN.

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar .....</b>				
<b>STEM .....</b>	PLATE	20-14	as per plan	Ilva Lorraine
<b>STERN FRAME</b> { Propeller Post .....	CASTING			
{ Rudder "Shaft" .....	FORGING	270		Terni
<b>Speed of Vessel .....</b>	15			KNOTS.
<b>RUDDER—Type .....</b>	Simplex			balanced
"    A x D .....				
"    Diam. of head .....		310		
"    Mainpiece at top pintle		✓		
"    "    heel ...		✓		
"    how constructed .....	WELDED			
"    double or single plate coupling, vertical or horizontal .....	DOUBLE 15			HORIZONTAL

## STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Upper tween decks</b>									
"    "    Second .....									
"    "    Third .....									
"    "    Holds .....	12.5-4.5	250 x 90 x 10	76.5	AS per plan	✓				
<b>COLLISION</b> (in Hold) .....	12-9	230 x 90 x 10.5			✓				
<b>AFTER PEAK</b> .....	16-8	180 x 75 x 10.5	600	TWO SEMI BOX BEAMS	✓				

STEEL.

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

Witkovitzer Bergbau und Eisenhütten Gen.

Has the Steel been tested as required by the Rules?

Yes See letter 4.10.46

Lloyd's Register Foundation



1st Bower ... 2nd ... 3840 - - - 52400 3720 Stockless S.A. Flava tested at Venice by the Surveyors

Rpt. 1\*.

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.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Speng.	Number.		Diameter.	
L, L or C	mm	mm	mm	mm	mm	mm		mm	mm	mm		mm
Bridge 'tween Decks ...												
Uppermost Continuous No. 1												
" 2												
" 3												
" 4												
" 5												
" 6												
" 7												
" 8												
" 9												
" 10												
" 11												
" 12												
" 13												
" 14												
" 15												
" 16												
Amidships												
At Ends												
Tank Top Longitudinals												
Bottom												
Amidships												
At Ends												
Transverses.												
Depth and Thickness												
Face Angles												
Lugs to Shell*												
Depth and Thickness												
Face Angles SINGLE												
Lugs to Shell*												
Depth and Thickness												
Face Angles DOUBLE												
Lugs to Shell*												
" " Back Bars												
Brackets												
g of Transverse Frames												
State if joggled or liners.												
Bridge Deck												
Upper WINGS												
Upper Second CENTRE												
Third												

Transverse framing

as approved, See letter 4.10.46

Scantlings as approved. See letter 4.10.46

7/10 x 10.5 180 x 12

4/10 x 10.5 180 x 12

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.

0125 2/3

hap Rpt no. 4255

Lloyd's Register Foundation







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.)

PARTICULARS OF ELECTRIC WELDING (if employed) All butts of shell plating except sheerstrake & all butts of deck plating except stringer & middle line strake electrically welded. - Tank top & motor seating deck house rudder & other items of minor importance electrically welded.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Longitudinal framing at bottom & deck cruiser stern

Particulars of Drop Test of Cast Steel Anchors, viz.:— 1st Bower Lead kg 2340 AG 838-31.10.41 Shank 1165 AG 838-31.10.41 2nd " " 2315 AG 841-31.10.41 " 1180 AG 841-31.10.41 3rd " not on board.

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. Signal Letters Extreme Breadth over Belting 59.37 Over-all Length 498.7 (Circ. 1611) (Circ. 1703) No. and Material of Decks 1 DK (Steel) & 2nd DK (Steel) clear of cargo tanks. Parts of Bottom of Vessel coated with cement or approved composition Feed & 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,	76.78	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

author. 5.4.1940

Dates of Surveys held while building

1940. Apr. 20. Nov. 12. 1941. Feb. 19. 26. 27. Mar. 12. 25. 27. Apr. 10. 28. May 9. 21. June 7. 17. 21. July 4. 12. 18. 19. 26. 30. Aug. 2. 6. 9. 14. 20. 27. 28. Sept. 4. 10. 17. Oct. 4. 16. Nov. 6. 18. 20. 29. Dec. 6. 11. 16. 1942. Jan. 27. Feb. 5. 23. March. 2. 12. 20. 27. 28. Apr. 1. 15. 21. 24. 27. May. 5. 7. 13. 16. 21. 23. 25. 26. 27. 30. June 1. 2. 3. 5. 9. 10. 11. 13. 16. 17. 20. 22. 23. 25. 26. 27. July 1. 4. 9. 15. 21. 27. Aug. 6. 13. 19. 26. Sept. 10. 19. 29. 30. Oct. 2. 9. 13. 17. 20. 28. 29. Nov. 4. 11. 16. 27. Dec. 4. 10. 15. 18. 22. 28. 1943. Jan. 15. 16. 19. 20. 23. 25. Feb. 1. 5. 16. 17. 18. 19. 27. Mar. 1. 2. 4. 5. 6. 16. Apr. 14. May 5.

Total No. of Visits 134