

## STEEL STEAMER OR MOTORSHIP.

Received at London Office 13 MAY 1952

State if Report has been sent on the Freeboard of the Vessel *yes*  
State if Report is sent on the Machinery of the Vessel *yes*

Date of completion of report *22nd March 1952* Port of *Rotterdam* No. *34771A*  
Survey held at *Rotterdam* Date First Survey *19th May 1948* Last Survey *2nd February 1952*  
On the *Twin Screw Motor Tanker "COMODO RO RIVADAVIA"*  
State Type *Full Scantling* State Type of Erections *Iron Bridge*  
TONNAGE under Tonnage Deck *9967.6* CLASS *100A1* State if with freeboard as condition of Class *no*  
Do. of space or spaces between Tonnage Dk. Upper Dk. *11673.73*  
nage *6526.12*  
STERED DIMENSIONS. FEET  
*53.17*  
*68.2*  
*37.0*  
Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *525*  
Breadth (greatest moulded) *68*  
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *37*  
1st Longitudinal Number (L x D) *18795*  
2nd Numeral L x (B + D) *54495*  
Framing Depth "d," at middle of length. See Sec. 3 (1d) *14.2*  
Proportions—Depth to Length—Uppermost continuous deck to top of keel *28' 8 1/2"*  
Do. Long Bridge to top of keel  
Draft Moulded *28' 8 1/2"*  
Built at *Rotterdam*  
Launched *29th Sept 51* Yard No. *599*  
Builders *M.T. Machiniefabriek & Scheepwerf van P. J. J. J. J.*  
Owners *Yacimientos Petroliferos Fiscales*  
Managers *Do*  
Residence *Buenos Aires*  
Port of Registry *Buenos Aires*  
If surveyed while building, afloat, or in dry dock *while building*

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	mm INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	mm INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
AMES, Spacing amidships <i>for 103</i>	<i>800</i>			
" " from <i>1/2</i> length amidships to Collision bulkhead	<i>685</i>			
" " in peaks	<i>610</i>			
DE FRAMING.				
Frame Amidships, Angle, <i>E or C</i>	<i>300 90 13</i>			
" " Extends up to	<i>main deck</i>			
Reversed Frame Amidships, Angle	<i>✓</i>			
" " Extends up to				
Depth of Framing Girder	<i>✓</i>			
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or C</i>	<i>✓</i>			
" " Second 'tween Decks, Angle, <i>E or C</i>	<i>✓</i>			
" " Third	<i>✓</i>			
" " from <i>1/2</i> len. for'd. to 15% len. from Stem	<i>200 90 11</i>			
" " in Peaks, Angle or <i>E or C</i>	<i>250 90 13/2</i> <i>230 90 12</i>			
Diameter and Spacing of Rivets through reverse Frame and Shell Plating amidships	<i>7/8" 5/2d</i>			
State if Frame Joggled	<i>no</i>			
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>yes</i>			
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>yes</i>			
SINGLE BOTTOM. <i>deeps forward</i>				
Floors, Depth and thickness at mid-line in Holds	<i>1100/1350 11/2</i>			
Height of Brackets at side above base line at toe of frame	<i>1050 thickness 11/2</i>			
Middle Line Keelson, on Floors, Angles, <i>E or C</i>	<i>1. W.</i>			
" " Through Plate or Intercoastal Plate	<i>through 12</i>			
" " Foundation Plate on Floors	<i>flat + 140.15</i>			
" " Flat Plate Keel Angles	<i>100 100 14</i>			
Side Keelsons, No. each side	<i>one</i>			
" " thickness of Intercoastal Plate	<i>11</i>			
" " Angles	<i>1. W.</i>			
DOUBLE BOTTOM. <i>in E. R</i>				
Solid Floors, thickness and spacing	<i>12-15 as per plan</i>			
" " Are Frame and Reversed Frame joggled?	<i>1. W.</i>			
Bracket Floors, breadth and thickness at middle line	<i>✓</i>			
" " breadth and thickness at margin plate				
Bracket Floors, Frame	<i>✓</i>			
" " Reversed Frame				
" " Vertical Struts	<i>in E. R</i>			
Centre Girder, depth and thickness amidships	<i>1250. 19</i>			
" " top Angles	<i>1. W.</i>			
" " bottom Angles	<i>1. W.</i>			
Side Girders, No. each side and thickness	<i>3 19</i>			
Margin Plate depth (excl. of flange) and thickness				
" " Vertical Angle to Tank side Bracket abaft <i>1/2</i> len. from stem				
" " Vertical Angle to Tank side Bracket from forward <i>1/2</i> len. from stem to Panting Area				
" " Gussets, spacing and scantling abaft <i>1/2</i> len. from stem				
" " Gussets, spacing and scantling from forward <i>1/2</i> len. from stem to Panting Area				
Tank Side Brackets, height above base line at toe of Frame and thickness	<i>horizontal</i> <i>10 as per plan</i>			
INNER BOTTOM PLATING.				
Breadth and thickness of Middle Line Strake	<i>2750 32</i>			
Thickness of remainder in Holds	<i>15</i>			
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?	<i>yes</i>			
BEAMS.				
Uppermost Continuous Deck, amidships in <i>for 103</i> Wells, Angle, <i>E or C</i>	<i>230 90 11</i>			
" " in way of Bridge, Angle, <i>E or C</i>	<i>150 90 11</i> <i>230 90 11</i> <i>200 90 12 1/2</i>			
" " abaft <i>for 50</i> Spacing	<i>605/610</i> <i>800/610</i>			
Second Deck, amidships, Angle, <i>E or C</i>	<i>230 90 12</i>			
" " abaft <i>for 50</i> Spacing	<i>165 75 8</i> <i>605/610</i> <i>800/610</i>			
Third Deck, amidships, Angle, <i>E or C</i>	<i>230 90 11</i>			
" " Spacing	<i>685</i>			
Fourth Deck, amidships, Angle, <i>E or C</i>	<i>✓</i>			
" " Spacing				
Poop Deck, Angle, <i>E or C</i> <i>full beams</i>	<i>250 90 9 1/2</i> <i>250 90 11</i>			
" " <i>half beams</i>	<i>230 90 11</i> <i>200 75 9</i>			
" " Spacing	<i>610/600</i>			
Bridge Deck, Angle, <i>E or C</i>	<i>150 75 7 1/2</i>			
" " Spacing	<i>800</i>			
Forecastle Deck, Angle, <i>E or C</i>	<i>200 75 9</i>			
" " Spacing	<i>605</i>			

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## 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.
PILLARS, No. of Rows .....	✓		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 .....	8 1/2 ✓
" " " " " "			Thickness of Plating abreast Deck openings in way of Bridge.....	8 ✓
" in Holds " " " "			Thickness of Plating within line of openings.....	8 1/2 ✓
" " " " " "			If Sheathed, material and thickness.....	✓
Centre Line Bulkhead.			Third Deck. for fr 183	
Stiffeners and Spacing .....	✓		Stringer Plate, breadth and thickness.....	for fr 183 11 ✓
Plating, thickness of .....			If Plated, state thickness .....	11 ✓
STRINGERS AND DECKS.			Fourth Deck.	
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓
Stringer Plate, breadth and thickness in Wells	2000 . 22 ✓		If Plated, state thickness.....	
" " " " in way of Bridge	2000 . 22 ✓		Poop Deck.	
" Angle in Wells .....	204 204 22 ✓		Stringer Plate, breadth and thickness.....	2000 12 ✓
Thickness of Plating abreast Deck openings } in way of Wells .....	22 ✓		Plating, Sheathing, material and thickness ...	11 7/8 2 1/2" leak
Thickness of Plating abreast Deck openings } in way of Bridge.....	22 ✓		Bridge Deck.	
Thickness of Plating within line of openings...	22 ✓		Stringer Plate, breadth and thickness.....	1790 . 6 ✓
If Sheathed, material and thickness.....	✓		Plating, Sheathing, material and thickness ..	6 2 1/2" leak ✓
Second Deck.			Forecastle Deck.	
Stringer Plate, breadth and thickness in Wells	for fr 183 9 1/2 ✓		Stringer Plate, breadth and thickness.....	1050 . 10 ✓
	8 ✓		Plating, Sheathing, material and thickness...	12 1/2 . 9 1/2 ✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>State if jogged</i> <i>only for audit</i>				BUTTS.		
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPE LAP
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
Flat Plate Keel.....	2000	25	25	20		L.W.						
„ Dblg. (if any)	V											
Bottom Plating, No. of Strakes .....3..}	2250	22	22	17 1/2		L.W.						
Bilge Plating, No. of Strakes .....2..}	2200 2200	22	14	16	2 landings riveted lower landing	double	1"	100				
Side Plating, No. of Strakes .....3..}	1900	17 1/2	19	13 1/2 12 1/2		L.W.						
Upper Deck, Sheer- strake in Wells.....}	1550	20	19	13	in way of tanks	L.W.						
Upper Deck, Sheer- strake in Bridge ...}	1550	3 1/2	20	12	for audit riveted	double	1"	11 1/4				
Strake below Sheer- strake in Wells.....}	1800	22	19	12 1/2		L.W.						
Strake below Sheer- strake in Bridge ...}												
Poop Side Plating.....	1100			10 1/2		Single	3/4"	85				
Bridge Side Plating.....	1200	11 1/2			harder part riveted	"	3/4"	89/100				
Forecastle Side Plating	1200		11 1/2			"	3/4"	89				

*edges sheer strake, bilge plating bottom  
plating fwd and aft riveted, " rivets  
spacing 11 1/4" (double)  
edges side plating forward aft outside  
bands riveted 7/8" rivets, spacing 100/bands*

*all butts electrically met*

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 14

„ Deck next below

As per Rule

## FORGINGS AND CASTINGS.

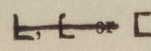
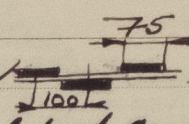
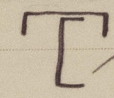
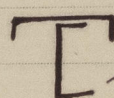
	Casting or Forging.	Scantlings.	Maker's Name.	Any Drawings from Plans to
KEEL, Bar		m m		
STEM	<i>Round bar plate</i>	24		
STERN FRAME	Propeller Post	<i>casting</i>	<i>DMK</i>	
	Rudder		<i>liberal</i>	
Speed of Vessel		16 knots		
RUDDER—Type	<i>Streamlined</i>	<i>no special</i>		
" A x D		939 x 13		
" Diam. of head		448		
" Mainpiece at top pintle		<i>Rudder construe</i>		
" heel		<i>as box girder</i>		
" how constructed		<i>L. W.</i>		
" double or single plate		<i>double plate</i>		
" coupling, vertical or		<i>horizontal</i>		
" horizontal				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
<i>Longitudinal</i>						
MIDSHIP	BULKHEADS Upper 'tween decks		10½ - 10½ C 180. 90. 13/2	8'00"		
"	" Second "		13½ - 9 C 250. 100. 14/2	7'50"		
"	" Third "		13. 12. 9 C 340. 100. 13	7'50 / 6'80		
"	Holds .....					
COLLISION	(in Hold) .....		12 - 7½ C 150. 75. 9	7'50		
AFTER PEAK	" .....		12 - 7½ C 275. 90. 14½	6'60		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hear*  
*Colville, Appleby, Frodingham Steel Coy, Donnan & Co*  
*ton, Wed. No. 1000000000 & No. 1000000000*  
Has the Steel been tested as required by the Rules? *Yes*



1\*. PARTICULARS OF LONGITUDINAL FRAMING *Comodoro Rosadavia*

FRAMING.				AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETS IN LONGITUDINAL FRAMES.		SPACING OF RIVETS ON EACH SIDE OF TRANSVERSES AND BULKHEADS.		RIVETS IN BRACKETS TO BULKHEADS.	
				In Ship.			In Ship.				Diam.	Speng.	Inches.		Number.	Diameter.
				Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Ins.	Ins.				Inches.
of  Bridge 'tween Decks ...				400 110 15/16			e.n. to bottom			 throat thickness 4 1/2 mm	e.w.		frames			
Uppermost Continuous (upper) No. 1				660 10 1/150			Connected to bulkhead stringers			 12" 4" 40" 60"			carried through bulkheads			
Lower (lower) No. 2				790 10 1/2 1/150			do			 15" 4" 41" 62"						



EQUIPMENT No. 57800

LETTER 97

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.				
060	1st Bower	110	3	0				71	7	2	0	95	Stockless, Britan-	Richard Lyle	Rotterdam 27-3-50
200	2nd "	109	2	21				71	0	0	0		nic, cast steel head	2 Lon Rhs	" 23-12-49
211	3rd "	93	3	0				65	0	0	0		20	20	" 2-2-50
	Collective weight	312	0	21								271			Sturphy
127	Stream	32	2	21	8	2	0	30	13	3	0		Ordin, forged	20	20 14-2-50

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.	Ins.	Statu-tory.	Break-ing.	Supplied.	Per Rule.		Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
273	450	2 3/4	590	885	106764	1200		330	2 1/4	di lock cast steel link	Calix anator Chain and Forge Division	Philadelphia 30-3-56 Helms.	TOWLINE	130	6 1/2	112.3	130	6 1/2
													HAWSERS & WARPS	2x100	2 3/4	15.2	2.100	2 3/4
														2x100	2 3/4	15.2	2.100	2 3/4
														8.220	4	33.2		
														2.440	8 1/2	25.7		
Stream in or Wire	120	5 1/2	844					120	5 1/2									

Steering Gear, Type (Power or hand) *4 cylinders and rams; electric hydraulic (Brown Bros) directed by helimotor from bridge working and separate pumping units* Alternative Means of Steering *as standard equipment a steering pedestal fitted on boat deck working directly on steering engine*

Steering Chains (Size and Test) *Windlass steam driven* Boats *6*

Stowing in Holds, thickness and material *Cargo Batts, thickness, material and spacing*

Cargo Hatchways. (Upper Deck) *plates and sections* Thickness of Hatches *steel 1 1/2 in m*

Size of Hatchways No. 1 (Fore) *4190.6200* No. 2 *haschways over tanks* No. 5. *675* No. 6

Number of Shifting Beams and/or Fore and Afters

Builder's Signature

*Alfred Banner*  
SUPER-INTENDENT

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 *motor ship*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *oil tanker* 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 ship has been built under Special Survey in conformity with the Society's Rules and regulations and Secretaries 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 and additions to the original approved arrangement made during construction have been indicated on the plans and have been approved as being in accordance with or standard equivalent to the Rule requirements. The plan of the ship Section and Profile and decks showing the ship as built now forwarded herewith have been checked with the approved arrangement and found in order.*

*8 A.P.T.s, all D.B.T.s and bunkers, cargo tanks, deep tanks, cofferdams and all other built in tanks have tested under pressure; weatherdecks and H.T. bulkheads tested with hose and wind test.*

*Turning gear and windlass tested in working condition and found to satisfaction*

The amount of Entry Fee..... £ : : Fees applied for, *10/1 1952*

Special Survey Fee..... *£20874* Received by me, *28/1 1952*

Travelling Expenses, if any ..... *£ 100.*

I am of opinion the Vessel should be Classed *+100A1*

State whether the Vessel has been built under Special Survey *yes* "Carrying Petroleum in bulk"

Signature *M. Wiskoot*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Owners Rotterdam* Date of issue *4/7/52.*

Committee's Minute *FRI. 13 JUN 1952*

Character assigned *+100A1 Carrying Petroleum in bulk*

*1.52 Rot.*

*Lloyd's A+CP*

*+LMC3.62 Oil Eng.*

*C.L.*

*2 WTDB 180b*

*2 DB 180b*

*604986-009493-0024 313*

CLASSIFICATION CERTIFICATES WRITTEN

(with torsional endorsement)

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 L the Plans should be embodied.)

Plans approved and retained in London Office  
Midship Section, Profile & Decks, Shell Expansion, Frames in Poop, Bridge and Fore  
After Body, Sternframe and Revised Propeller Brackets, Holding details, Up  
Deck aft, O.P. Hatchways, Double Bottom, Fore Body, Superstructure  
Copies of the following certificates enclosed:

Shaft Brackets

Sternframe

Rudder Head

Rudder Arms

Turning Gear and Filler Crosshead

Interim Certificate

A copy of the Interim Certificate has been forwarded to  
Buenos Aires Surveyors for transmission to the Government  
Authorities

A report on particulars of Longitudinal Framing is  
attached

Echo Sounding Devices of the closed type are situated be  
fr 57 and 58 in the Cofferdam of the D.B.T. p 85.

PARTICULARS OF ELECTRIC WELDING (if employed) *all welded except:*

Trimmer angle bar amidships, deck beams, transverse side pa  
edges of bilge strake and edges of shell plating forward and aft

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

Carrying Petroleum in Bulk, Cruiser Stern  
Part electrically welded, Radar, S.F.,  
S.P.D.

RADAR Equipment (State if fitted) *yes*

State Type or Pattern No. *1400 Eo 1400 F*

State } Maker *Marine Intern. Marine Communi*  
Name } and/or  
of } Supplier *Radio Holland*

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

1st Bower	66.1.0	AEG	1460	21.2.50
2nd "	65.3.21	R.L.	3917	17.11.49
3rd "	55.3.21	R.L.	3950	17.1.50

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *148.8* ft., R.Q.D. \_\_\_\_\_ ft., Bridge *49.4* ft., Forecastle *52.0*

(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 *✓* Over-all Length *557.7*  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks *one Steel*

Parts of Bottom of Vessel coated with cement or approved composition *FRAPT. cement washed*

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.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	<i>28.6</i>	<i>107</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>26.0</i>	<i>220</i>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	<i>36.3</i>	<i>44</i>
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. *1039*

Date *28.4.48*

Dates of Surveys  
held while building

*1948* 19/5, 9/7, 22/9, 1.21.26/10, 28/11, 7.19/12  
*1950* 1/2, 13/9, 6/10, 4.14.16, 20.23/11, 11.19.27/12  
*1951* 5.10.16, 18.24/1, 1.15/2, 5.15.21/3, 8.10.25/4, 11.10/5, 5/6,  
5.6, 11/8, 20.24/25/7, 1.3.17/10, 21.22, 23, 25, 28, 31/10, 4.7.11.13.15.20.2  
3/10, 2.30/11, 7/12  
*1952* 3.12, 13, 14, 15, 16/1 2/2

Total No. of Visits *69*

For S.S.O.F. see main ship "San Lorenzo", 4d No: 598.