

## STEEL STEAMER or MOTORSHIP.

Received at London Office...

JUN 17 1938

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

7<sup>th</sup> June 1938Port of *Copenhagen*

No. 10588.

Survey held at

*Nakskov*

Date First Survey

12<sup>th</sup> October 1937

Last Survey

3<sup>rd</sup> June

1938

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

*Single Screw Motor Ship "IMPERIAL"*

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

*Complete Superstructure without Tonnage Opening*State Type of Erections *Pop. & Triple*

TONNAGE under Tonnage Deck...

*3688.71*CLASS *100. A. 1.*State if with freeboard as condition of Class *yes!*Built at *Nakskov*

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

*1747.43*

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

L *410.0*Launched *12<sup>th</sup> March 1938* Yard No. *84*

Total

*5436.14*

Breadth (greatest moulded)

B *58.0*Builders *Nakskov Skibsværft.*

Gross Tonnage

*7217.04*

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

D *33.75*Owners *Compania Sud Americana de Vapores*

Register Tonnage

*4437.51*1st Longitudinal Number (L x D) = *1287 Metrid*

Managers

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

2nd Numeral L x (B + D) = *3501*Residence *Valparaiso, Chile*

## REGISTERED DIMENSIONS.

FEET.

Length

*414.3*

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

*12.2*Port of Registry *Valparaiso*

Breadth

*58.3*

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

*12.2*

If Surveyed while building, afloat, or in dry dock?

Depth

*21.7*Draught Moulded *6988 1/4**Yes!*

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. N/A.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. N/A.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	760	✓	Bracket Floors, Frame	230 90 11	✓
" " from 1/2 length amidships to Collision bulkhead	610	✓	" " Reversed Frame	200 75 11 1/2	✓
" " in peaks	610	✓	" " Vertical Struts	200 75 11 1/2	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1070 13	✓
Frame Amidships, Angle, E or F	200 90 12	✓	" " top Angles	double 90 90 12	✓
" " Extends up to	3 <sup>rd</sup> deck	✓	" " bottom Angles	double 100 100 13	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One 970 aft 9	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	930 fwd 13	840 approved
Depth of Framing Girder	See aft frame	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	90 90 13	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	180 90 9 1/2	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	150 150 12 1/2	✓
" " Second 'tween Decks, Angle, E or F	180 90 9 1/2	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	90 90 13	✓
" " Third " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	160 160 14	✓
" " from 1/2 len. for'd. to 15% len. from Stem	200 90 12 1/2	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1700 10	✓
" " in Peaks, Angle or F	180 90 9 1/2	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 1/4, 135 1/4	✓	Breadth and thickness of Middle Line Strake	1555 aft 1375 fwd 12 1/2	✓
State if Frame Joggled	yes	Frames fitted	Thickness of remainder in Holds	10 1/2	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes	250 x 90 x 12	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	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	Bottom plating 19 1/4 from 1/2 len. to Coll. bld.	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	200 75 11 1/2	✓
Floors, Depth and thickness at mid-line in Holds	✓		" " in way of Bridge, Angle, E or F	✓	
Height of Brackets at side above base line at toe of frame	✓		Spacing	ex. frame	✓
Middle Line Keelson, on Floors, Angles, E or F	✓		Second Deck, amidships, Angle, E or F	230 90 11	✓
" " Through Plate or Intercoastal Plate	✓		Spacing	ex. frame	✓
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, E or F	230 90 13	✓
" " Flat Plate Keel Angles	✓		Spacing	ex. frame	✓
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, E or F	✓	
" " thickness of Intercoastal Plate	✓		Spacing	180 75 9 1/2	✓
" " Angles	✓		Poop Deck, Angle, E or F	4 as approved	✓
DOUBLE BOTTOM.			Spacing	ex. frame	✓
Solid Floors, thickness and spacing	10 ex. 3 <sup>rd</sup> frame (fr. 85-121), 25. every frame outside.	✓	Bridge Deck, Angle, E or F	200 75 11	✓
" " Are Frame and Reversed Frame joggled?	yes	✓	Spacing	ex. frame	✓
Bracket Floors, breadth and thickness at middle line	1000 10	✓	Forecastle Deck, Angle, E or F	180 75 11	✓
" " breadth and thickness at margin plate	1675 10	✓	Spacing	ex. frame	✓



PILLARS AND DECKS.					
	BOARDS IN SHIP. N/A	Any Departure from Approved Plans to be Noted.		BOARDS IN SHIP. N/A	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>	Two.	✓	Stringer Plate, breadth and thickness in way of Bridge .....	✓	
<i>upper</i>	round lub, wid. sp.		Thickness of Plating abreast Deck openings) in way of Wells .....	9	✓
" in 'tween Decks, Size and Spacing.....	150x10 to 205x10	✓	Thickness of Plating abreast Deck openings) in way of Bridge .....	✓	
<i>lower</i>	round lub, wid. sp.	✓	Thickness of Plating within line of openings...	8½	✓
" " " " "	250x12 to 330x14	✓	If Sheathed, material and thickness .....	✓	
" in Holds " " "	round lub, wid. sp.	✓	<b>Third Deck.</b>		
" " " " "	330x14 to 455x17		Stringer Plate, breadth and thickness.....	1660 - 9½	✓
" " " " "		✓	If Plated, state thickness.....	8½	✓
<b>Centre Line Bulkhead.</b>			<b>Fourth Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	✓		If Plated, state thickness .....	✓	
<b>STRINGERS AND DECKS.</b>			<b>Poop Deck.</b>		
<b>Uppermost Continuous Deck.</b>		Increased to 16 1/2 in way of doors aft	Stringer Plate, breadth and thickness .....	1500 - 8½	✓
Stringer Plate, breadth and thickness in Wells	1750 x 13½		Plating, Sheathing, material and thickness ..	7½, 63 1/4 in leak	✓
" " " " in way of Bridge	✓		<b>Bridge Deck.</b>		
" Angle in Wells .....	150 150 13½	✓	Stringer Plate, breadth and thickness.....	1700 - 12	10 in appo- ved
Thickness of Plating abreast Deck openings) in way of Wells .....	11	✓	Plating, Sheathing, material and thickness ..	7, 63 1/4 in leak	✓
Thickness of Plating abreast Deck openings) in way of Bridge .....	✓		<b>Forecastle Deck.</b>		
Thickness of Plating within line of openings...	10	✓	Stringer Plate, breadth and thickness.....	1400 - 9½	✓
If Sheathed, material and thickness .....	63 1/4 in leak	✓	Plating, Sheathing, material and thickness ..	7, 63 1/4 in leak	✓
<b>Second Deck.</b>					
Stringer Plate, breadth and thickness in Wells...	1680 x 10	✓			

SCANTINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if Joggled?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAINED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	<i>Inches. M/M.</i>	<i>Inches. M/M.</i>	<i>Inches. M/M.</i>	<i>Inches. M/M.</i>								
FLAT PLATE KEEL .....	1290	20 ✓	19½ ✓	18 ✓		double	1	7 pairs ✓	3 + 3	1	90	db. straps
" DELG. (if any)	✓					✓			✓			
BOTTOM PLATING, No. of Strakes .....	1850 1770	15 ✓	12 ✓	12½ ✓	aluminum	double	7/8	8 pairs ✓	3	7/8	80	lapped
BILGE PLATING, No. of Strakes .....		14½ ✓	13½ ✓	12½ ✓		"	7/8	8 ~ ✓	3	7/8	80	"
SIDE PLATING, No. of Strakes .....	1770	15 ✓	11½ ✓	12½ ✓		"	7/8	8 ~ ✓	3	7/8	80	"
UPPER DECK, Sheer-strake in Wells. (3.)	1700	18 ✓	12 ✓	14 ✓		"	7/8	8 ~ ✓	4	7/8	90	"
UPPER DECK, Sheer-strake in Bridge ...	✓					✓			✓			
STRAKE BELOW Sheer-strake in Wells .....	1700	17 ✓	11½	12 ✓	✓	double	7/8	8 pairs ✓	4	7/8	90	lapped.
STRAKE BELOW Sheer-strake in Bridge ...	✓					✓			✓			
POOP SIDE PLATING .....			9½ ✓			single	3/4	3 ~ ✓	2	3/4	2½	lapped
BRIDGE SIDE PLATING ...	✓					✓			✓			
FORE'C'TLE SIDE PLATING			10 ✓			single	3/4	3 ~ ✓	2	3/4	2½	lapped.

Total No. of W.T. BULKHEADS in Vessel—	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c) <i>7 ✓ to lower deck</i>				
„ Deck next below <i>✓</i>				
As per Rule <i>7 ✓</i>				
<b>KEEL, Bar</b> <i>✓</i>				
<b>STEM</b> <i>Roll'd 10-22</i>			<i>Apply to Frothingham</i>	<i>Steel Co. Md.</i>
<b>PROPELLER</b> (Propeller Post <i>CS.</i> )			<i>25</i>	

Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.		Stantlings.		Maker's Name.		Any Departure from Approved Plans to be Noted.	
Extending to Upper Deck (Sec. 3 c)				7 ✓		borealtes BK					
" Deck next below				✓							
As per Rule				7 ✓							
				STIFFENERS.							
Plating Thickness.		VERTICAL.		HORIZONTAL.							
		Stantlings.	Spacing.	Stantlings.	Spacing.						
MIDSHIP BULK'D, Upper tween decks		6 1/2 ✓	4	685							
		~ 7 ✓	140-75-9	~ 760	✓	✓					
" " Second "		7 1/2 ✓	8	685							
		~ 8 ✓	165-75-11	~ 760	✓	✓					
" " Third "		8 1/2 ✓	5	685							
		~ 10 1/2 ✓	230-90-12 1/2	~ 760	✓	✓					
" " Holds .....		8 ✓	6	Two semi box-braces	✓	✓					
COLLISION " (in Hold) .....		~ 11 1/2 ✓	200-90-13	610	✓	✓					
		8 ✓	6	250-90-12	✓	✓					
AFTER PEAK " .....		~ 9 ✓	8-45-app.	810	✓	✓					

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process* ✓  
*Fabrik: Ruhrstahl-Actiengesellschaft (Heurichshütte-Hallungen Ruhr).*  
*Fabrik: Dortmund-Hoesler Hüttenverein. A.G.*  
 Has the Steel been tested as required by the Rules? *yes!* ✓

EQUIPMENT No. 3730 <i>Metric</i>										LETTER <i>a</i>		ANCHORS.				
Number of Certificates.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 55.	Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.					lbs.	
3148	1st Bower ...	72	3	21	✓	✓	✓	55	5	0	0	✓	68	} <i>gruson</i>  } <i>stockless.</i>	} <i>Messrs.</i>  } <i>Olto</i> <i>gruson &amp; Co</i> <i>Magdeburg</i> <i>- Buckau.</i>	} <i>Sketch.</i>  } <i>30. 12. 37</i>  } <i>N. Stolte.</i>
3147	2nd " ...	72	3	2	✓	✓	✓	55	5	0	0	✓				
3149	3rd " ...	62	0	24	✓	✓	✓	49	12	2	0	✓				
	Collective weight.	207	3	19									194½			
3151	Stream .....	20	0	2	✓	✓	✓	20	17	0	21	✓	19	<i>Old stock</i>		
3150	<i>Stream anchor</i>	33	2	14	✓	✓	✓	31	6	3	14	✓		<i>gruson stockless.</i>		
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.	Diam.	Stattu- Tons.	Break- ing- Tons.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.	Length.	Cir.	
88746	270	2			579.	1.26		270	2 1/8	Stud	S. Taylor & Sons.	Netherhall.	220	121	71	220	121
88836	15	2	00	01/11	31. 3. 20	720 3/4			1/16				121	71	220	121	
88837	15	2	00	01/11	31. 3. 24				1/16			12-11-37	121	71	220	121	
88838	15	2	00	01/11	32. 0. 0				1/16		(Brierley Hill)	J. A. Reif.	121	71	220	121	
88839	15	2	00	01/11	32. 0. 9				1/16		Ld.		121	71	220	121	
108171	60	1 7/16	52	77 1/8	67.1.0				1/16			Netherhall, 16-11-37, J. A. Reif.	121	71	220	121	
Iron Stream Cable and Steel Wire	165 M.	127 1/2		above				165 M.	127				121	71	220	121	

*Builder's Signature.*

**AKTIESELSKABET  
NAKSKOV SKIBSVÆRFT**

The freeboards, assigned by the Committee, have been marked on the ship's sides, verified and cut in.

With freeboards )

Be both



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.)

Sister Vessels.

M/V "COPIAPO" - Same Builders Yard No 82 - Cpu. Rpt. No 10433.  
M/V "ACONCAGUA" - " " " " 83 - " " " " 10536.

PARTICULARS OF ELECTRIC WELDING (if employed) Head and feet of pillars. Gussset angles to tank top. Ventilator  
coamings to deck. Foundations for aux. motors.  
Electrode used: + O.K. 52.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Cruiser stern. - D.F. - Lloyd's A & C.P.  
Ref. Mch. - E.S.D. - (P).

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	Head.		Stem.	
	1st Bower	2nd	3rd	4th
	46:2:7, N.S., 1819, 17-12-37.	46:1:24, N.S., 1818, 17-12-37.	40:1:12, N.S., 1820, 17-12-37.	21:2:18, N.S., 1822, 17-12-37.
	Stock anch. 18:2:7, N.S., 1824, 17-12-37.	22:2:16, N.S., 1821, 17-12-37.	17:2:16, N.S., 1823, 17-12-37.	22:2:16, N.S., 1821, 17-12-37.
	Stern 22:2:16, N.S., 1844, 29-12-37.		8:3:17, N.S., 1825, 17-12-37.	

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 45.16 ft., R.Q.D. ft., Bridge ft., Forecastle 50.66 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 (Circ. 1611) Over-all Length (Circ. 1703) 440.48' ✓  
No. and Material of Decks 2 decks and shelter dk (sl. ws.) 3 dks.  
Parts of Bottom of Vessel coated with cement or approved composition  
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,	112.21 ✓	277 ✓	Fore peak tank,	22.66	42 ✓
Double bottom, under Engines <del>and Boilers</del> ,	49.87 ✓	438 ✓	After peak tank,	22.5	125 ✓
Double bottom, if under Engines only,	✓	✓	Deep tank, aft, (pos) DTS A	7.5	2.77 = 154 ✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	197.66 ✓	658 ✓	Other tanks, if fitted,	✓	✓
Total length (if continuous) and Capacity		1373. ✓	(If necessary, furnish further information by sketch.)		
	359.74				

Order for Special Survey No. 106  
Date 19<sup>th</sup> Aug 1936  
Dates of Surveys held while building  
1937. 12/10, 18/10, 26/10, 5/11, 10/11, 19/11, 24/11, 2/12, 8/12, 13/12, 21/12, 30/12, 14/1.  
1938. 5/1, 10/1, 20/1, 25/1, 28/1, 29/1, 2/2, 7/2, 10/2, 11/2, 17/2, 25/2, 4/3, 9/3, 12/3, 21/3, 24/3, 29/3, 1/4, 5/4, 6/4.  
12/4, 20/4, 25/4, 26/4, 29/4, 3/5, 6/5, 7/5, 17/5, 20/5, 27/5, 31/5, 2/6, 3/6