

STEEL ~~STEAMER~~ OF MOTORSHIP.

Received at London Office

23 JUL 1928

State if Report has been sent on the Freeboard of the Vessel *yes*State if Report is sent on the Machinery of the Vessel *herewith*Date of completion of report *16-7-28*Port of *Copenhagen*No. *7769*Survey held at *Copenhagen*Date First Survey *5/11/1927*Last Survey *28/6*

1928

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

Twin screw, Steel, motorship **SUD PACIFICO**

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

*Complete superstructure*State Type of Erections ☒

TONNAGE under Tonnage Deck...

*4119.14*CLASS ***100A1** (State if with freeboard as condition of Class)Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *386'-0"*Breadth (greatest moulded) *53'-6"*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *38'-0"*1st Longitudinal Number (L x D) *14440*2nd Numeral L x (B + D) *34770*Framing Depth "d," at middle of length. See Sec. 3 (1d) *25'-0"*Proportions—Depth to Length—Uppermost continuous deck to top of keel *10.0*Do. Long Bridge to top of keel *25'-4 1/2"*Draught Moulded *25'-4 1/2"*Built at *Copenhagen*Launched *9 May 1928* Yard No. *547*Builders *Act. Burmeister & Wain*Owners *AVS. LINEA SUD AMERICANA*Managers *Jørn An. Christensen*

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

Residence *OSLO*Port of Registry *OSLO*If surveyed while building, afloat, ☒ in dry dock

REGISTERED DIMENSIONS.

FEET.

Length *381.8*Breadth *53.8*Depth *25.1*

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	<i>28</i>	<input checked="" type="checkbox"/>	Bracket Floors, Frame	<input checked="" type="checkbox"/>	
" " from 1/4 length to Collision bulkhead	<i>27</i>	<input checked="" type="checkbox"/>	" " Reversed Frame	<input checked="" type="checkbox"/>	
" " in peaks	<i>24</i>	<input checked="" type="checkbox"/>	" " Vertical Struts	<input checked="" type="checkbox"/>	
FRAMING.			Centre Girder, depth and thickness amidships	<i>44 x .55</i>	
Frame Amidships, Angle, <i>5</i> or <i>6</i>	<i>300 x 90 x 16</i>	<input checked="" type="checkbox"/>	" " top Angles	<i>130 x 130 x 1 3/4</i>	
" " Extends up to <i>in forepeak =</i>	<i>250 x 90 x 13 1/2</i>	<input checked="" type="checkbox"/>	" " bottom Angles	<i>150 x 150 x 1 1/4</i>	
" " Upper & 2 Deck, alternately	<i>✓</i>		Side Girders, No. each side and thickness	<i>1 .39</i>	
Reversed Frame Amidships, Angle	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness	<i>41 .53</i>	
" " Extends up to	<i>✓</i>		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	<i>130 x 130 x 11</i>	
Depth of Framing Girder	<i>✓</i>		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	<i>130 x 130 x 11</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, <i>5</i> or <i>6</i>	<i>140 x 75 x 10</i>	<input checked="" type="checkbox"/>	" " Gussets, spacing and scantling abaft 1/4 len. from stem	<i>90 x 90 x 1 1/2</i>	<i>sp. 28"</i>
" " Second 'tween Decks, Angle, <i>5</i> or <i>6</i>	<i>150 x 90 x 10</i>	<input checked="" type="checkbox"/>	" " Gussets, spacing and scantling forward 1/4 len. from stem	<i>90 x 90 x 1 1/2</i>	<i>" {28" {27"</i>
" " Third " " "	<i>✓</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>47 { 7'-8" { 7'-0 in forepeak</i>	
Framing in Peaks, Angle, <i>5</i> or <i>6</i>	<i>220 x 85 x 12 1/4</i>	<input checked="" type="checkbox"/>	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 sp. 6 1/4"</i>	<input checked="" type="checkbox"/>	Breadth and thickness of Middle Line Strake	<i>52 1/2 x .51</i>	
State if Frame Joggled	<i>yes</i>	<input checked="" type="checkbox"/>	Thickness of remainder in Holds	<i>.41</i>	
SCANTLING ARRANGEMENTS (Sec. 7), state system and particulars	<i>3 hanging str. 30 x 40 3 wales 30 x 50</i>	<input checked="" type="checkbox"/>	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>	
STRENGTHENING OF BOTTOM FORWARD, State Particulars	<i>2 extra inter-costals each side</i>	<input checked="" type="checkbox"/>	BEAMS.		
Way of 1/5 L: single frame: <i>130 x 130 x 11</i>	<i>✓</i>		Uppermost Continuous Deck, amidships in Wells, Angle, <i>5</i> or <i>6</i>	<i>230 x 90 x 11</i>	
ANGLE BOTTOM.			" " in way of Bridge, Angle, <i>5</i> or <i>6</i>	<i>✓</i>	
Floors, Depth and thickness at mid-line in Holds	<i>✓</i>		Spacing	<i>28 x 27</i>	
Height of Brackets at side above base line at toe of frame	<i>✓</i>		Second Deck, amidships, Angle, <i>5</i> or <i>6</i>	<i>280 x 90 x 1 1/2</i>	
Middle Line Keelson, on Floors, Angles, <i>5</i> or <i>6</i>	<i>✓</i>		Spacing	<i>28 x 27</i>	
" " Through Plate or Intercoastal Plate	<i>✓</i>		Third Deck amidships, Angle, <i>5</i> or <i>6</i>	<i>230 x 90 x 11</i>	
" " Foundation Plate on Floors	<i>✓</i>		Spacing	<i>27</i>	
" " Flat Plate Keel Angles	<i>✓</i>		Fourth Deck, amidships, Angle, <i>5</i> or <i>6</i>	<i>✓</i>	
Side Keelsons, No. each side	<i>✓</i>		Spacing	<i>✓</i>	
" " thickness of Intercoastal Plate	<i>✓</i>		Poop Deck, Angle, <i>5</i> or <i>6</i>	<i>✓</i>	
" " Angles	<i>✓</i>		Spacing	<i>✓</i>	
DOUBLE BOTTOM.			Bridge Deck, Angle, <i>5</i> or <i>6</i>	<i>✓</i>	
Solid Floors, thickness and spacing	<i>39 1/4 28"</i>	<input checked="" type="checkbox"/>	Spacing	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>yes</i>	<input checked="" type="checkbox"/>	Forecastle Deck, Angle, <i>5</i> or <i>6</i>	<i>✓</i>	
Bracket Floors, breadth and thickness at middle line	<i>✓</i>		Spacing	<i>✓</i>	
" " breadth and thickness at margin plate	<i>✓</i>				

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.....	1 Row			✓	plan				✓
Upper	Tubular pillars								
" in 'tween Decks, Size and Spacing.....	7½" φ × 30"								
" Lower	8" φ × 30"								
" " " "	12" φ × 38"								
" in Holds " " "	12" φ × 38" After Hold								
" " " "	16" φ × 42" Hold								
" " " "	19" φ × 46" Hold								
" " " "	15" φ × 40" Hold								
Centre Line Bulkhead.									
Stiffeners and Spacing.....	Spaced 56"								
Plating, thickness of30								
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells	57 × 56								
" " " " in way of Bridge	✓								
" Angle in Wells	150 × 150 × 14 ^{mm}								
Thickness of Plating abreast Deck openings in way of Wells42								
Thickness of Plating abreast Deck openings in way of Bridge	✓								
Thickness of Plating within line of openings...	.36								
If Sheathed, material and thickness	✓								
Second Deck.									
Stringer Plate, breadth and thickness in Wells...	47 × 40								
Stringer Plate, breadth and thickness in way of Bridge	✓								
Thickness of Plating abreast Deck openings in way of Wells34"								
Thickness of Plating abreast Deck openings in way of Bridge	✓								
Thickness of Plating within line of openings...	.32"								
If Sheathed, material and thickness	✓								
Third Deck.									
Stringer Plate, breadth and thickness.....	35 × .34								
If Plated, state thickness.....	.30								
Fourth Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness ...									
Bridge Deck.									
Stringer Plate, breadth and thickness.....									
Plating, Sheathing, material and thickness ...									
Forecastle Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness ...									

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing or to cr.	
FLAT PLATE KEEL	5 1/2	.82	.72	.72	✓	Double	1 1/8" 3 1/2"	4 Rows	1 1/8"	4	Lapped
DBLG. (if any)	✓					✓					Strapped
BOTTOM PLATING, No. of Strakes	76	.59	.49	.49	✓	Double	7/8" 3 1/2"	3 Rows	7/8"	3 1/2"	Lapped
BRIDGE PLATING, No. of Strakes	68	.59	.49	.49	✓	"	7/8" 3 1/2"	3 "	7/8"	3 1/2"	"
SIDE PLATING, No. of Strakes	76	.59	.50	.46	✓	"	3/4" x 7/8" 3 1/2"	3 "	3/4"	2 5/8"	"
UPPER DECK, Sheer-strake in Wells	51	.66	.46	.46	✓	"	3/4" x 7/8" 3 1/2"	4 "	3/4"	2 5/8"-TL	"
UPPER DECK, Sheer-strake in Bridge	✓				✓	✓					"
STRAKE BELOW Sheer-strake in Wells	72	.64	.46	.46	✓	Double	3/4" x 7/8" 3 1/2"	4 "	3/4"	2 5/8"-TL	"
STRAKE BELOW Sheer-strake in Bridge	✓				✓						"
POOP SIDE PLATING	✓				✓						"
BRIDGE SIDE PLATING	✓				✓						"
FORECASTLE SIDE PLATING	✓				✓						"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—			
Extending to Upper Deck (Sec. 3 c)	1	off	✓
Deck next below	5	off	✓
As per Rule			

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	Forging	11" x 2 1/2"	Buen.	
STERN FRAME	2 shaft brackets Cast steel	10 5/8" x 3"	Hermann's	
	Propeller Post		Vandstad, Norway.	
	Rudder post Cast steel		Hermann's	
RUDDER—A x D.	398.45			
Speed of Vessel	11.5 Kn.			
RUDDER mainpiece at head	Steel	9 1/2" φ	Buen.	
" " heel	Steel	7 1/4" φ	Gunn.	
" how constructed	Any at each pintle			
" double & single plate	Single	1.06"		
" coupling, vertical & horizontal	Horizontal.			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	✓				
" " Second	✓				
" " Third	✓				
" " Holds	✓	29" x 90" x 1/6"	30"	100" x 90" x 1/6"	30"
COLLISION " (in Hold)	✓	54" x 33"	25" x 90" x 1/5"	48" x 40"	✓
AFTER PEAK "	✓	48" x 30"	23" x 90" x 1/5"	28" x 40"	✓

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)		Liemans-Martin-Steel.
	<u>Vereinigte Stahlwerke, A.G.</u>	1. August Thyssen-Hütte, Hamborn a. Rh. 2. Völklingerhütte, 3. Hoerder-Verain.	
	Has the Steel been tested as required by the Rules?		yes.

EQUIPMENT No. 35210										LETTER 2	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.	Cwts.			
1178	1st Bower ...	64	2	18	✓			51	0	0	0	63-3-0	Green's Patent	✓	23/28
1179	2nd " ...	64	0	12	✓			51	0	0	0	63-3-0		✓	23/28
1149	3rd " ...	53	1	0	✓			45	1	0	0	54-2-0		✓	28/11/27
	Collective weight.	182	0	2								182-0-0			
1180	Stream	18	1	16	5	0	22	19	13	0	0	17-2-0	Common	✓	23/28

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.		Descrip- tion.	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.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Owts. grs. lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
1654	270	2 1/2	9 1/2	22	127.10	714.0.0	682.1.0	270	2 1/2	stud	N.V. Ketting en Ankerkabel	Rotterdam 20-3-28 T.P.W.	TOWLINE...	120	5 1/2	73	
														90	3 1/2	26	
													HAWSERS & WARPS	90	3 1/2	18	
														90	2 3/4	15 1/2	
Iron Stream Chain Steel Wire	90	1 3/8	34.00	51.00	87.3.20	72.0.0	90	1 1/4	stud	do	do. do. } T.P.W. }	11-1-28	"	2 x 20	9" M.	✓	
													"	2 x 20	7" M.	✓	

Steering Gear, Steam *Electric-Hydraulic* Steering Gear, Hand *J. Hassie & Co.*
Boats *1-27'0" x 8'6" x 3'5" wood* Steering Chains, Size and Test *✓* Windlass *Amerson, Walker & Thompson*
Ceiling in Holds, thickness and material *2 1/2" wood* Cargo Battens, thickness, material and spacing *2" speed 9"*
Cargo Hatchways.—(Upper Deck) *2'8" x .44* Thickness of Hatches *2 1/2" pine*
Size of No. 1 Hatchway (Forward) *27'0" x 26'0"* No. 2 *30'4" x 26'0"* No. 3 *30'4" x 26'0"* No. 4 *30'4" x 26'0"* No. 5 *30'4" x 26'0"* No. 6 *✓*
Number of Shifting Beams and/or Fore and Afters *5 webbs in each hatchway.*
Copenhagen, July 20th 1928
AKTESELSKABET
BURMEISTER & WAINSKIN OG SKIBSBYGGERI
Builder's Signature *[Signature]*

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *yes* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *✓* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.
- The vessel is fitted for the carriage of oilfuel in the double-bottom-tanks; flash-point above 150°F.
- The vessel has been built in accordance with the plans approved by the Committee, the Secretary's letters, the rules for the building of steel-ships, and to my satisfaction.
- The materials employed in this vessel are to my satisfaction, and the workmanship is good.
- The freeboard has been marked on the vessels sides and cut in, and has been verified.
- All the tanks have been tested and found tight.
- The weather decks, bulkheads, tunnels have been tested and found tight.

The amount of Entry Fee £ *145 Kr 60 fr* Fees applied for, 19
Special Survey Fee *558.6 Kr 49 fr* Received by me, *163 Kr 80 fr*
Freeboard *163 Kr 80 fr*
Travelling Expenses, if any £ *11 Kr 10 fr* 15.10.28
State whether the Vessel has been built under Special Survey. *yes* I am of opinion the Vessel should be Classed **+100A1** with *Freeboard*
Lloyds A & C.P.
Signature *Joe v. Rosen*
Surveyor to Lloyd's Register of Shipping.
Certificate to be sent to *Surveyors Office* Date of issue *27/7/28*
Copenhagen

Committee's Minute **FRL 27 JUL 1928**
Character assigned **+ 100A1 With Freeboard**

Lloyds A & C.P. *+ LMA 6.28*
Oil Engines *S.P. 104 h.p.*
27.7.28.
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Lloyd's Register Foundation
006175-006188-0141 2/2

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: { Burnmeister & Wain No. 543, M/S. "SUD ATLANTICO", Gm. Reg. 7690.
" " " " 550, Stockh.

Approved plans: 1. Midship section,
2. Longitudinal section & decks,
3. Sternpost & Rudder,
4. Boss-Brackets,
5. Bossed frames & A.P. Tank,
6. Motor-seating.

Certificates appended: 1. Stern frame,
2. Propeller brackets,
3. Tiller,
4. Rudder head &
5. main piece, & 5 arms.

Pillars are supplied by: { Mannesmann-Röhren-Werke, Rath, Düsseldorf, 14 27. V.S.
" " " " Komotau, Prague, 6 27. C.R.H.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	1178,	38-1-20,	MB,	3447,	28-12-27	greens Type, Anchor Heads.
	2nd "	1179,	37-2-26,	MB,	3448,	28-12-27	
	3rd "	1149,	29-0-23,	V5,	25,	6-9-27	Gelsenkirchener Gußstahl-Fabrik.

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

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

1 dk (ste) & shelter deck (ste)

No. and Material of Decks (this information is to be given as it should appear in the Register Book).

Official No. ☒

Signal Letters

L.G.R.K.

Is bottom of Vessel coated with cement

no

if not given

particulars of composition oil.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	133	403	Fore peak tank,		112
Double bottom, under Engines and Boilers,			After peak tank,		156
Double bottom, if under Engines only,	30-4	168	Deep tank, aft,		✓
Double bottom, if under Boilers only,			Deep tank, forward,		✓
Double bottom, forward,	170-7	491	Other tanks, if fitted,		✓
Total capacity of double bottom		1062	(If necessary, furnish further information by sketch.)		

* The wells are not included in the lengths of the tanks.
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Order for Special Survey No.

Date

2/5.27.

Dates of Survey held while building

1927. 5/11 1928. 12/1 - 1/2 - 29/2 - 29/2 - 5/3 - 7/3 - 15/3 - 26/3 - 30/3,
2/4 - 10/4 - 16/4 - 18/4 - 18/4 - 20/4 - 23/4 - 27/4 - 27/4 - 30/4 - 8/5
3/5 - 9/5 - 18/5 - 23/5 - 5/6 - 9/6 - 11/6 - 28/6.

Total No. of Visits

Lloyd's Register Foundation