

RECEIVED

Rpt. 1.

25 APR 1950

IN D.O.

STEEL STEAMER or MOTORSHIP.

Received at London Office

24 APR 1950

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 21st April, 1950. Port of Gothenburg No. 17400

Survey held at Kalmar Date First Survey 28th September, 1949 Last Survey 30th March

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Motorship "LUCIANO CASTRO" (Machinery fitted aft)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Single Deck Vessel with Limited Draught State Type of Erections Raised poop, Raised forecastle.

TONNAGE under Tonnage Deck 450

CLASS +100A1

State if with freeboard as condition of Class Yes

Built at Kalmar

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

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 155' - 0"

Launched 13th Dec., 1949 Yard No. 364

Length for numerals 157' 4"

Builders Kalmar Varv

Breadth (greatest moulded) B 28' - 6"

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 15' - 6.38"

Owners Luciano Castro Cia. Ltda.

Depth to main deck 12' - 3"

Managers

1st Longitudinal Number (L x D) = 1928

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

2nd Numeral L x (B + D) = 6414

Residence Santos

Framing Depth "d," at middle of length. See Sec. 3 (1d) R.Q. Deck 12' - 10.7/8"

Port of Registry Santos

Proportions—Depth to Length—Uppermost continuous deck to top of keel R.Q. Deck 12.85

If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top of keel 10.13

Draught Moulded 12' - 7.7/8"

While building and Afloat

FRAMES, DOUBLE BOTTOM AND BEAMS.

	MM. SCANTLING SHIP.	Any Departure from Approved Plans to be Noted.		MM. SCANTLING SHIP.	Any Departure from Approved Plans to be Noted.
AMES, Spacing amidships	610	✓	Bracket Floors, Frame	100 75 7.5	
" " from 1/3 length to Collision bulkhead	610	✓	" " Reversed Frame	90 75 8	90 x 65 x 8
" " in peaks	610	✓	" " Vertical Struts	180x8 - 70x11	
DE FRAMING.			Centre Girder, depth and thickness amidships	800 x 9	
Frame Amidships, XXXXXX	140 65 7.5	✓	" " top XXXXXX Welded	4 4 4	
" " Extends up to	Upper deck	✓	" " bottom XXXXXX Welded	4 4 4	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	--	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	510 x 7.5	
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Welded 4 4	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	Welded 4 4	
" " Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft 1/4 len. from stem	--	
" " XXXXXX from 59. to 68	165 75 10	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	--	
Framing in Peaks, Angle XXXXXX	100 75 10	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	800 x 7	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	19 á 130		INNER BOTTOM PLATING.		
State if Frame Joggled	No	✓	Breadth and thickness of Middle Line Strake	1200 x 8	
Are the scantlings and arr. in the FRAMING XXXXXXXXXXXXXXXXXXXX in acc. with XXXXXXXXXXXXXXXXXXXX Rules and/or as approved?	Yes	✓	Thickness of remainder in Holds	7	
Are the scantlings and arr. in way XXXXXXXXXXXX OF BOTTOM FOR XXXXXXXXXXXX WARD. XXXXXXXXXXXX in acc. with Rules and/or as approved?	Yes	✓	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?	--	
ANGLE BOTTOM, in engine room.			BEAMS.		
Floors, Depth and thickness at mid-line XXXXXX	675 x 8.5	✓	Uppermost Continuous Deck, amidships in Wells, Angle, [or]	--	
" " Floors	1050	✓	" " in way of XXXXXXXXXXXX hatches XXXXXX	90/100 65/75 8/9	
Height of XXXXXX at side above base line at toe of frame			Spacing	610	
Middle Line Keelson, on Floors, Angles, [or]			Second Deck, XXXXXXXXXXXX XXXXXXXXXXXX	130/140 65 8/7.5	
" " Through Plate or Intercoastal Plate			Spacing	610	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, [or]		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side	1	✓	Fourth Deck, amidships, Angle, [or]		
" " thickness of XXXXXXXXXXXX Plate	12	✓	Spacing		
" " XXXXXX Top Plate	500 x 22	✓	Poop Deck, XXXXXXXXXXXX	140 65 7.5	125 x 65 x 8
DOUBLE BOTTOM.			Spacing	610	
Solid Floors, thickness and spacing	7. Ev 3rd fr.	✓	Bridge Deck, Angle, [or]	--	
" " Are Frame and Reversed Frame joggled?	No	✓	Spacing	--	
Bracket Floors, breadth and thickness at middle line	700 x 7	✓	Forecastle Deck, XXXXXXXXXXXX	140 65 7.5	125 x 65 x 8
" " breadth and thickness at margin plate	600 x 7	✓	Spacing	610	

PILLARS AND DECKS

PILLARS AND DECKS.		MM. XXXX IN SHIP.	Any Departure from: Approved Plans to be Noted.	MM. XXXX IN SHIP.		Any Departure from: Approved Plans to be Noted.
PILLARS, No. of Rows	1 ✓			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 Hold/ " "	As per app- proved plan. ✓			Thickness of Plating within line of openings...	7.5 ✓	
" " " " "				If Sheathed, material and thickness		
Centre Line Bulkhead.				Third Deck.		
Stiffeners and Spacing.....				Stringer Plate, breadth and thickness.....		
Plating, thickness of				If Plated, state thickness.....		
STRINGERS AND DECKS.				Fourth Deck.		
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness XXXXXX 1810 x 9 ✓				If Plated, state thickness		
" " " " in way of Bridge	--			Poop Deck.		
" Angle in Wells Welded	16.5 ✓ 14 ✓			Stringer Plate, breadth and thickness	7 ✓	
Thickness of Plating abreast Deck openings in way of Wells	--			Plating, Sheathing, material and thickness ...	7 ✓	
Thickness of Plating abreast Deck openings in way of Bridge	--			Bridge Deck.		
Thickness of Plating within line of openings...	7.5 ✓			Stringer Plate, breadth and thickness.....	--	
If Sheathed, material and thickness	--			Plating, Sheathing, material and thickness ..	--	
Second Deck, aft.				Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	8 ✓			Stringer Plate, breadth and thickness.....	7.5 ✓	
				Plating, Sheathing, material and thickness ..	7.5 ✓	

SHELL PLATING.

SCANTLINGS.				RIVETING.									
STRAKES.	AS IN VESSEL.			ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.						
	AMIDSHIPS.		FORWARD.		AFT.	State if joggled?	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED LAPPED
	Breadth.	Thickness.	Thickness.					Thickness.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.			
FLAT PLATE KEEL	1200	12	11	11									
„ DBLG. (if any)	--	--	--	--									
BOTTOM PLATING, No. of Strakes	--	9	12.5	9									
BILGE PLATING, No. of Strakes	--	9	--	8									
SIDE PLATING, No. of Strakes	--	9	12.5	8									
UPPER DECK, Sheer-strake in Wells	1240	10	8	8									
UPPER DECK, Sheer-strake in Bridge ...	--	--	--	--									
STRAKE BELOW Sheer-strake in Wells	--	9	12.5	8									
STRAKE BELOW Sheer-strake in Bridge ...	--	--	--	--									
POOP SIDE PLATING	--	--	--	7									
BRIDGE SIDE PLATING ...	--	--	--	--									
FOREC'TLE SIDE PLATING	--	--	--	--									

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	3 ✓
Extending to Upper ^{Upper} Deck (Sec. 3 c)	1 ✓
„ Main Deck XXXXXXXX	2 ✓
As per Rule	3 ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Plate	keel		
STEM	Fl. iron	165x50	&	
	Rolled	plate	12.5 - 10.0 mm.	
STERN FRAME {	Rolled			
Propeller Post	fl. iron	150x75	Gutehoff-hütte &	
Rudder	Forg.	As per plan.	Björneborgs J.	
Speed of Vessel	10 knots			
RUDDER—Type	Semi-Balanced			
" A x D x 100	234			
" Diam. of head	135/140		Björneborgs J.	LL. No. 1408 23.
" Mainpiece at top pintle	As per plan.		Björneborgs J.	3007 9.12
" " heel ...				3009 9.12
" how constructed	Welded			
" double X-LOCK plate	9			
" coupling, vertical or horizontal	Horizontal			

		Plating Thickness.	STIFFENERS.				
			VERTICAL.		HORIZONTAL.		
			MM.	Scantlings. MM.	Spacing. MM.	Scantlings.	Spacing.
MIDSHIP BULKHEAD,	Upper tween decks						
"	" Second "						
"	" Third "						
"	" Holds Fr. 18....	9.5-6.5	100	125x75x8	625/50		
COLLISION	" (in Hold) Fr. 69..	9.5-6.5	130x75x10	625		As per plan	
AFTER PEAK	" " Fr. 5....	12, 7.5	100x75x8	610		As per plan	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Electric Furnace and Op. He
Plating: Domnarfvets Jernverk. - Profiles: Domnarfvets Jernverk, Hüttenwerk Hörde A/G, Hüttenwerk Oberhausen
 Dortmund-Hoerder Hüttenverein, Hüttenwerk Ilsede-Peine, Hüttenwerk Huckingen, S.A. John Cockerill.
 Has the Steel been tested as required by the Rules? Yes. ✓

ANCHORS.

CHAIN CABLES.

HAWSERS AND WARPS.

Steering Gear, ~~STEER~~ Type Hand Alternative Means of Steering ~~GEAR~~ Blocks and Tackles

Boats 2 á 5.3 x 1.98 x .82 Metres. Steering Chains, Size and Test 24.5mm. 3764 HJ LW 11600/23200 kgs Windlass Electric - Thrige

Ceiling in Holds, thickness and material 2 1/2" wood on 1" battens Cargo Battens, thickness, material and spacing 2" pine á 9" clear spacing
840 mm.

Cargo Hatchways.—(Upper Deck & R.Q.Dk) Steel Coamings 10 mm. Height/Thickness of Hatches 2 1/2" pine

Size of No. 1 Hatchway (Forward) 9160 x 5025 No. 2 11590 x 5025 No. 3 --- No. 4 --- No. 5 --- No. 6 ---

Number of Shifting Beams and/or Fore and Afters 6 7

KALMAR VARY

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo No. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

The ship has been built in conformity with the Society's Rules and Regulations and the Secretary's letters. The
 fittings and arrangements are in accordance with, or equivalent to, those shown on the approved plans. The tanks,
 and bulkheads have been tested in accordance with the Rules. The freeboards have been verified and the marks
 in on the vessel's sides. The steering arrangements and windlass have been tested on a trial trip under working
 conditions. The aftermost double bottom tanks (No.3) are constructed to carry oil fuel as bunker or water ballast.
 Flash point of the oil fuel is above 150° F. and the requirements of Section 20 of the Rules have been complied
 where applicable. Double bottom tanks Nos. 1 and 2, and fore- and after peak tanks are constructed to carry
 ballast. The vessel is strengthened for navigation in ice and the requirements of Section 40 of the Rules
 have been complied with where applicable.

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed +100A1 with freeboard Electrically welded. Strengthened for navigation in ice.

Signature _____

Surveyor to Lloyd's Register of Shipping.

FRI, 12 MAY 1950

Character assigned

+ 100 A1

with freeboard

Strengthened for Navigation in ice
Lloyd's A class

+ Lmc 3.50

(with endorsement)

De Al Eng

Write Gd.

Lloyd's Register
Foundation

02722

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/S "Dagmy", Kalmar Varv No. 352, Gothenburg First Entry Report No. 15863,
M/S "Viria", " " " 359, " " " " 16278,
M/S "Fenja", " " " 361, " " " " 16561,
M/S "Vernia", " " " 362, " " " " 16839,
M/S "Fenix", " " " 363, " " " " 17058.

Approved plans, forwarded under separate cover:

Midship section,
Longitudinal section and plans,
Shell expansion,
Stemframe and rudder,
Watertight bulkheads.

For remaining plans see Gothenburg First Entry Report No. 14912.

As fitted plans, forwarded under separate cover:

Midship section
Longitudinal section and plans,
Shell expansion.

Various certificates are also being forwarded separately.

The vessel has not been docked since the launch. ✓

Only the Swedish tonnages have been measured. Gross - 604.83, Under deck - 449.97, Net - 388.42.

PARTICULARS OF ELECTRIC WELDING (if employed) Seams and butts of shell, deck, tank top and bulkheads, floors and tank side brackets to margin plate, centre girder to floors, shell and tank top, and various other details. ✓

Electrodes employed: PH 48, OK 52 P.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Strengthened for navigation in ice, Electrically welded, Direction finder, Cruiser stern. ✓

(Radar not fitted)

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Head	1552	LR	7:2:6	A.E.G.	5.8.48
	2nd "		1620 <td>LR<td>7:2:10<td>A.E.G.<td>9.9.48</td></td></td></td>	LR <td>7:2:10<td>A.E.G.<td>9.9.48</td></td></td>	7:2:10 <td>A.E.G.<td>9.9.48</td></td>	A.E.G. <td>9.9.48</td>	9.9.48
	3rd "		1654 <td>LR<td>7:2:15<td>A.E.G.<td>13.9.48</td></td></td></td>	LR <td>7:2:15<td>A.E.G.<td>13.9.48</td></td></td>	7:2:15 <td>A.E.G.<td>13.9.48</td></td>	A.E.G. <td>13.9.48</td>	13.9.48

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ^{Half height} 42.0 ft., R.Q.D. --- ft., Bridge ^{Half height} --- ft., Forecastle 22.5 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks 1 deck (steel)

Official No. : Signal Letters

Parts of bottom of vessel coated with cement Water ballast tanks, Fresh water -, Fore- and After Peak Tanks. ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	---	---	Fore peak tank,	---	---
Double bottom, under Engines and Boilers,	---	---	After peak tank,	---	45.0
Double bottom, if under Engines only,	---	---	Deep tank, aft,	---	15.1
Double bottom, if under Boilers only,	---	---	Deep tank, forward,	---	---
Double bottom, forward,	102	---	Other tanks, if fitted,	---	---
Total length (if cont) and Capacity	100	145.4	(If necessary, furnish further information by sketch.)	---	---

Fresh Water Tank in After Peak, not included in total capacity 9.7 M³.
* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

1949: September 28, October 17, December 2, 27.

1950: January 30, March 3, 4, 14, 30.

Order for Special Survey No. 481

Date 28.9.1949

Dates of Surveys held while building



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Lloyd's Register

Total No. of Visits 9