

F.F. FROM ACCTS.	157
F.E. FROM ADMIN/F	227
PLANS RECD.	157
CERTS. RECD.	157
Date of completion of record	

# STEEL STEAMER OR MOTORSHIP.

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

State if Report is sent on the Machinery of the Vessel..... No.

Date of completion of report 8th July 1958. Port of LISBON & Groningen No. 7582Y 1748a.

Survey held at Figueira da Foz & Groninge Date First Survey 6th. September 1957 Last Survey 11th June, 1958 1957

On the <sup>(State of Machinery fitted Aft and</sup> ~~(Single, Twin or Triple Screw)~~ Single Screw Motor Vessel "EMANUELA-CUBA" (Machy.Aft.)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) ..... full scantling ..... State Type of Erections, F'ile & Poop .....

TONNAGE under } 389.25  
Tonnage Deck ... }

CLASS +100A1 (Contpd.) *State if with freeboard*  
as condition of Class }

Built at Figueira da Foz & Groningen

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

Length from fore part of stem to after part of stern } 56.0  
post on summer L.W.L. See Sec. 3 (1a)

Launched 8th. Novemb. 1957 Yard No. 47-276

Breadth (greatest moulded) \_\_\_\_\_ B 9.30  
Depth, at middle of length from top of keel to top \_\_\_\_\_

*Builders* Est. Navais do Mondego  
Scheepsbouw Unie N.V.

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) ..... } D 4.05.....

Owners Società Sarda Armatoriale ARBATAX  
S.P.A.

1st Longitudinal Number (L x D).....=

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

2nd Numeral  $L \times (B + D)$  ..... =

Residence Cagliari  
Vico Vittorio Emanuele 2

Framing Depth "d," at middle of length. See } 2.89  
Sec. 3 (1d).....

Port of Registry Cagliari

**Proportions**—Depth to Length—Uppermost continuous deck to top of keel ..... } 13,8

*If surveyed while building, afloat, or in dry dock*

Do. Long Bridge to }  
top of keel }

whilst building

Draught Moulded ..... 3510 mm = ..... 11' 6  $\frac{1}{4}$ "

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	SHIP. M.M.	Any Departure from Approved Plans to be Noted.	SHIP. M.M.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	550	/	Bracket Floors, Frame .....	130x75x8 /
" " from $\frac{1}{2}$ length amidships to Collision bulkhead.....	550 with interm.	/	" " Reversed Frame.....	100x65x8 /
" " in peaks .....	550 with interm.	/	" " Vertical Struts .....	100x75x10 /
SIDE FRAMING.			Docking Keel	
Odd Frame Amidships, Angle, $\angle$ or $\square$ .....	150x75x9	/	<del>Centre Girder</del> depth and thickness amidships	450x8.5 FL.75x9 /
" " Extends up to .....	Main Deck	/	C.K. & Centre Tank sides	1160x8
Even			" " top <del>Angles</del> .....	E.W. /
Reversed Frame Amidships, Angle $\angle$ or $\square$ .....	150x75x9	/	" " bottom <del>Angles</del> .....	E.W. /
Flats 65x7 & 140x12			Side Girders, No. each side and thickness. One.	400x7 FL.65.(2 for 1) /
" " Extends up to .....	Main Deck	/	Margin Plate depth (excl. of flange) and thickness .....	450 - 8 1/2 /
Depth of Framing Girder.....	280 & 150	/	" " <del>Vertical Angles</del> Tank side	E.W. /
Frames in Uppermost Continuous 'tween			" " <del>Vertical Angles</del> Tank side	E.W. /
Decks, Angle, $\angle$ or $\square$ .....	100x65x7 1/2	/	" " Bracket abaft $\frac{1}{2}$ len. from stem .....	- /
" " Second 'tween Decks, Angle, $\angle$ or $\square$ .....	-	/	" " Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area	- /
" " Third " " " " .....	-	/	" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem.....	- /
" from $\frac{1}{2}$ len. for'd. to 15% len. from Stem .....	150x75x9 / 120x8. H.B.	/	" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area .....	- /
" in Peaks, Angle $\angle$ or $\square$ .....	150x75x9 / 90x8. H.B.	/	Tank Side Brackets, height above base line at toe of Frame and thickness	1195 x 8. /
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships .....	16 - 7 Dias. /	/	INNER BOTTOM PLATING.	
State if Frame Joggled.....	No.	/	Breadth and thickness of Middle Line Strake...	1530 x 8. /
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved ? .....	Yes	/	Thickness of remainder in Holds .....	7 1/2 & 8 1/2 /
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved ? .....	Yes	/	Are Rule requirements complied with regard- ing increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room ?.....	Yes /
SINGLE BOTTOM.			BEAMS.	
Floors, Depth and thickness at mid-line in Holds.....	In Peaks & E.R. only /	/	Uppermost Continuous Deck, amidships in <del>Wicks Angles</del> .....	120 & 100x8 HB.E.W. /
Height of Brackets at side above base line at toe of frame.....			" " in way of Bridge, Angle, $\angle$ or $\square$ .....	- /
Middle Line Keelson, on Floors, Angles, $\angle$ or $\square$ .....			Spacing .....	Every Fr. /
" " " Through Plate or Inter- costal Plate .....			Second Deck, amidships, Angle, $\angle$ or $\square$ .....	- /
" " " Foundation Plate on Floors .....			Spacing .....	- /
" " " Flat Plate Keel Angles			Third Deck, amidships, Angle, $\angle$ or $\square$ .....	- /
Side Keelsons, No. each side.....			Spacing.....	- /
" " thickness of Intercostal Plate...			Fourth Deck, amidships, Angle, $\angle$ or $\square$ .....	- /
" " Angles .....			Spacing.....	- /
DOUBLE BOTTOM.			Poop Deck, Angle, <del>Angles</del> .....	80x50x7 E.W. / *
Solid Floors, thickness and spacing .....	8 Every forth frame /	/	Spacing .....	550 less aft. /
" " Are Frame and Reversed Frame joggled ? .....	No	/	Boat	
Bracket Floors, breadth and thickness at middle line .....	560 FL 65 outbd. of Tank	/	Bridge Deck, Angle, <del>Angles</del> H.B. ....	75x8 E.W. /
" " breadth and thickness at margin plate.....	1.200 FL.65 /	/	Spacing.....	Every fr. /
			Forecastle Deck, Angle, <del>Angles</del> .....	75x50x8 Toe E.W. /
			Spacing.....	Every Fr. /



## PILLARS AND DECKS.

		INCHES IN SHIP. mm.	Any Departure from Approved Plans to be Noted.	INCHES IN SHIP. mm.	Any Departure from Approved Plans to be Noted.
PILLARS, <del>NxKxR</del> <del>Rows</del> C.L. only	U.N.P. 16	Hatch ends	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 " " "	As above	/	Thickness of Plating within line of openings...	-	
" " " " "			If Sheathed, material and thickness	-	
Centre Line Bulkhead. Stiffeners and Spacing	Angle 75x65x8	Every Fr. *	Third Deck. Stringer Plate, breadth and thickness	-	
Plating, thickness of	7	/	If Plated, state thickness	-	
STRINGERS AND DECKS.			Fourth Deck. Stringer Plate, breadth and thickness	-	
Uppermost Continuous Deck. Stringer Plate, breadth and thickness	1800 x 10	/	If Plated, state thickness	-	
" " " " Break of Poop in way of <del>Bridge</del>	1800 x 12	/	Poop Deck. Stringer Plate, breadth and thickness	1800x6.5	/
" Angle in Wells	90x90x10	/	Plating, Sheathing, material and thickness	-	
Thickness of Plating abreast Deck openings in way of Wells	10	/	Boat Deck. Stringer Plate, breadth and thickness	5	/
Thickness of Plating abreast Deck openings in way of Bridge	-		Plating, Sheathing, material and thickness	5. None	/
Thickness of Plating within line of openings	7.5	/	Forecastle Deck. Stringer Plate, breadth and thickness	6.5	/
If Sheathed, material and thickness	None	/	Plating, Sheathing, material and thickness	6.5 None	/
Second Deck. Stringer Plate, breadth and thickness in Wells	-				

## SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.				
	AMIDSHIPS.		FORWARD.	AFT.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				
	Breadth.	Thickness.	Thickness.	Thickness.	State if joggled? Yes				
Flat Plate Keel	1830	12	12	12	Double	19	78		
" Dblg. (if any)	None								
Bottom Plating, No. of Strakes A. & B.	1830	9	12	9	Single	16	68		
Bilge Plating, No. of Strakes C.		9	9	9	Single	16	68	All Butts	
Side Plating, No. of Strakes D.	1830	9	9	8.5	Single	16	68	Elect. Weld.	/
Upper Deck, Sheer- strake in Wells E.	1530	11	8.5	8.5	Single	16	68		
Upper Deck, Sheer- strake in Bridge	-								
Strake below Sheer- strake in Wells	-								
Strake below Sheer- strake in Bridge	-								
Poop Side Plating				7	Single	16	68		
Bridge Side Plating	-								
Forecastle Side Plating			7		Single	16	68		

## WATERTIGHT BULKHEADS.

WATERTIGHT BULKHEADS.					FORGINGS AND CASTINGS.				
Total No. of W.T. BULKHEADS in Vessel—					Casting or Forging.				
Extending to Upper Deck (Sec. 3 c)					Scantlings.				
Deck next below					Maker's Name.				
As per Rule					Any Departure from Approved Plans to be Noted				



EQUIPMENT No. 8670 ft. units LETTER i ANCHORS.

Departure from Approved Plans to be Noted.	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.			
	83	1st Bower	16	1	23	✓	-	-	18	25	✓	16-0-0	spek type	K.N.G.	Leiden 22-10-56 HD
	15	2nd "	16	0	18	✓	-	-	18	25	✓	16-0-0	spek type	"	" "
	15	3rd "	16	1	08	✓	-	-	18	25	✓	16-0-0	spek type	"	" "
		Collective weight													
		Stream													

CHAIN CABLES.

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and Size per Table 58.		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.		Fathoms	Ins.
242	210	1 1/2	2815	4215	182-3-23	168-0-0		210	1 1/2	stud- link mild steel	K.N.G.	Leiden 17-12-56	TOWLINE	90	3	17.6	90	3
												H.D.	HAWSERS & WARPS	180	1 3/4	5.9	180	1 3/4
		Cir.																

Motor Thrige No. 2058628  
Steering Gear, Type (Power or hand) Elect-Hydraulic Svendborg No. 748 L.T. 2747.30-8-56 tiller \* tackles  
Pump Svendborg No. 521 Alternative Means of Steering handhydraulic

Steering Chains (Size and Test) None Windlass HatLapa 50206-12032 Boats 2 (wood)

Railings in Holds, thickness and material 63 MM. Pine Cargo Battens, thickness, material and spacing 2 1/2" Pine 9"

Hatchways.-(Upper Deck) Fabricated as per approved Plan Thickness of Hatches 63 MM.

Hatchways No. 1 (Fwd.) 14300x5080 No. 2 9400x5080 No. 3 Tonnage No. 4 1400x5.700 No. 5 No. 6

of Shifting Beams } No. 1-Nine. No. 2 Five.  
Core and Afters }

Builder's Signature

ESTALFIROS NAVAIS DO MONDEGO

DIRECTOR TÉCNICO

Guambyl

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  
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  
indicated, together with the flash point (where required to be inserted in the Notation).

> 150°F) carried in tunnel tank and as spare in DB tanks 1 & 2 centre and 3 p & s.

ship has been built under Special Survey in conformity with the Society's Rules and Regulations  
Secretary's letters. The scantlings and arrangements of the ship are as given in the report and  
own and amended on the approved plans now forwarded. All modifications or additions to the original  
ved arrangements made during constructions have been indicated on the plans and have been approved  
ng in accordance with or by standards equivalent to the Rule requirements. The plans of midship  
n and profile and decks showing the ship as built, now forwarded herewith, have been checked  
he approved arrangements and found in order.

arkmanship was found good. Freeboard marks have been verified and found correct.

nks have been tested and decks and bulkheads hoisted and found tight. Windlass & steering gears  
een tried at sea and found in good working order.

The ship has been placed on the slipway on 7th June 1958 in the yard of Messrs. Gebr. Sander at Delfzijl.  
Bottom, stern frame and rudder examined found in good condition and recoated.

The amount of Survey Fee..... Esc: - 35.000  
Less 20% 7.000  
Special Survey Fee..... £ 28.000  
Received by me,  
Travelling Expenses, if any ..... £ 1.000

36200

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

We are of opinion the Vessel should be Classed +100.A.1.

State whether the Vessel has been built under Special Survey Yes

Rotterdam  
Date of issue

10/10/58

Signature J. H. Nairn  
Surveyor to Lloyd's Register of Shipping.  
J. H. Nairn & A. J. Kraaijenbrink.

Certificate to be sent to Groningen Surveyors via

Committee's Minute

THURSDAY 12 AUG 1958

+100A1

LACP DS 6.58

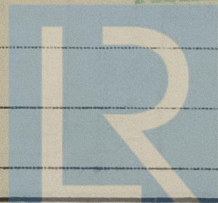
+LMC

ES

TS OG } 6.58

NOTED FOR  
POSTING

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Lloyd's Register  
Foundation

008888-008899-008821/2



**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.)

Sistership: m.s. "PETER". (Groningen rpt.no. 1639, Lisbon rpt.no. 7524).

Plans approved by Rotterdam office:

midship section	0.01. 31.5.56
profile & decks	" " "
double bottom	" " "
bulkheads	" " 8.6.56
engine foundation	" " "
sternframe & rudder	" " "
shellplating	" " 31.5.56

certificates attached:

Interim Certificate.

Sternframe (Groningen no. 382)

Rudder (Groningen no. 506)

Steering gear (Copenhagen 9th February 1957)

Cert. LLST (Groningen 11th June 1958.)

**PARTICULARS OF ELECTRIC WELDING** (if employed)

Shell Butts. Deck & Tank Top Butts & Seams. Hatch coamings, beams, Floors to Tank Top & Marg.  
internally in Tanks except to bottom and shell. Fabrication of Frames and Engine Seatings.  
Bulkheads, Sternframe & Rudder & Bow Plating.

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

LLOYDS A & C.P. Machinery Aft. Echo Sounder. part EW.

DF.

**RADAR Equipment** (State if fitted) not fitted

State Type or Pattern No. v

State } Maker v  
Name } and/or  
of } Supplier v

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

1st Bower	11-0-12	AEG 7309	14.9.56	} weight of heads + pins } more than 60% of total weight.
2nd "	11-0-6	AEG 7267	24.8.56	
3rd "	11-0-16	AEG 7270	24.8.56	

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 51,6 ft., R.Q.D. ft., Bridge ft., Forecastle 35,2 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 30,6 Over-all Length 202,66'  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks one steel deck

Parts of Bottom of Vessel coated with cement or approved composition all watertanks cemented. O.F. tanks not coated.

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.
Double bottom, aft,	30,0	300,0	Fore peak tank,	5,0	50,0
Double bottom, under Engines and Boilers,			After peak tank,		dry tank
Double bottom, if under Engines only,			Deep tank, aft,	tunneltank	OF only
Double bottom, if under Boilers only,			Deep tank, forward,	stern tank	FW only
Double bottom, forward,		337,5	Other tanks, if fitted,	deck tank forward	34,0
Total length (if continuous) and Capacity		337,5	(If necessary furnish further information by sketch) midships		16,0

Order for Special Survey No. 364

Date 17.5.56

Dates of Surveys  
held while building

1957: Sept. 6-18-25 Oct. 10-15-23-30. Nov. 6-8-14 Dec. 3-9-12-16-24

1958: Jan. 28 Febr. 3-10-20 April 8. June 7-11.

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Total No. of Visits 22