

STEEL STEAMER or MOTORSHIP.

11 MAR 1929

Received at London Office

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 *6th March 1929*Port of *Bilbao*No. *7460*Survey held at *Bilbao*Date First Survey *14th October 1927*Last Survey *18th February*

1927

On the (State if Machinery fitted Aft and of Single, Twin or Triple Screw) *Motor Ship Single Screw "Ayala-Mendi" (Machinery fitted amidships)*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Complete Superstructure*

State Type of Erections

TONNAGE under Tonnage Deck...

2062.37

CLASS

*X 700 A.1*State if with freeboard as condition of Class *yes*

Built at

Bilbao (Spain)

Launched

27th Nov 1928

Yard No.

99

Builders

Cia Euskalduna de Const. y Rep.

Owners

Cia Naviera Sotia y Aznar

Managers

Sotia y Aznar

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

Residence

Ibaner de Bilbao

Port of Registry

Bilbao

If surveyed while building, afloat, or in dry dock

While building afloat and in dry dock.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. mm.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. mm.	Any Departure from Approved Plans to be Noted.
IS, Spacing amidships	6/0		Bracket Floors, Frame <i>S. Ang.</i>	115x75x8 ⁵	
„ from $\frac{1}{2}$ length to Collision bulkhead	6/0		„ „ Reversed Frame <i>S. Ang.</i>	100x75x8 ⁵	
„ in peaks	6/0		„ „ Vertical Struts <i>Channels</i>	200x75x75x8 ⁵	
FRAMING.			Centre Girder, depth and thickness amidships	940x12	
„ Amidships, Angle, <i>X</i> or <i>[</i>	203x76x12	200x75x12	„ „ top Angles	75x75x11 ⁵	
„ „ Extends up to	2nd <i>76</i>		„ „ bottom Angles	100x100x14	
„ Reversed Frame Amidships, Angle	„		Side Girders, No. each side and thickness	„ 8 ⁵	
„ „ Extends up to	„		Margin Plate depth (excl. of flange) and thickness	710x11	
„ of Framing Girder	203		„ „ Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	90x90x12	
„ in Uppermost Continuous 'tween Decks, Angle, <i>X</i> or <i>[</i>	153x90x7 ⁵	150x90x7 ⁵	„ „ Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	90x90x12	
„ „ Second 'tween Decks, Angle, <i>[</i> or <i>[</i>	„		„ „ Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	Continuous plate 9 th thick.	
„ „ Third „ „ „	„		„ „ Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	„ „	
„ in Peaks, Angle or <i>[</i>	153x75x7 ⁵		Tank Side Brackets, height above base line at toe of Frame and thickness	560 from side $\frac{1}{2}$ len. from stem	
„ „ „ „ „	22-19-3 $\frac{1}{2}$ d.		INNER BOTTOM PLATING.		
„ „ „ „ „	no		Breadth and thickness of Middle Line Strake	1220x11 ⁵ for $\frac{1}{2}$ L	
„ „ „ „ „			Thickness of remainder in Holds	10 ⁵ 9 ⁵ 8 ⁵ ends.	
„ „ „ „ „			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	
„ „ „ „ „			BEAMS.		
„ „ „ „ „			Uppermost Continuous Deck, amidships	„	
„ „ „ „ „			„ „ in Wells, Angle, <i>[</i> or <i>[</i>	178x75x7 ⁵	
„ „ „ „ „			„ „ „ in way of Bridge, Angle, <i>X</i> or <i>[</i>	6/0	
„ „ „ „ „			„ „ Spacing	6/0	
„ „ „ „ „			Second Deck, amidships, Angle, <i>X</i> or <i>[</i>	215x75x10 ⁵	
„ „ „ „ „			„ „ Spacing	6/0	
„ „ „ „ „			Third Deck, amidships, Angle, <i>[</i> or <i>[</i>	305x90x90x15	
„ „ „ „ „			„ „ Spacing	1220	
„ „ „ „ „			Fourth Deck, amidships, Angle, <i>[</i> or <i>[</i>	„	
„ „ „ „ „			„ „ Spacing	„	
„ „ „ „ „			Poop Deck, Angle, <i>[</i> or <i>[</i>	„	
„ „ „ „ „			„ „ Spacing	„	
„ „ „ „ „			Bridge Deck, Angle, <i>[</i> or <i>[</i>	„	
„ „ „ „ „			„ „ Spacing	„	
„ „ „ „ „			Forecastle Deck, Angle, <i>[</i> or <i>[</i>	„	
„ „ „ „ „			„ „ Spacing	„	

PILLARS AND DECKS.

	INCHES IN SHIP. m/m.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	<i>one row.</i>				
" in 'tween Decks, Size and Spacing.....	<i>70 diam. 1220</i>		Stringer Plate, breadth and thickness in way of Bridge	<i>✓</i>	
" <i>at hatch end beams</i> ..	<i>90-85</i>	<i>ref. plan</i>	Thickness of Plating abreast Deck openings in way of Wells	<i>✓</i>	
" in Holds ..	<i>125-95</i>		Thickness of Plating abreast Deck openings in way of Bridge	<i>85-75</i>	
" <i>at hatch end beams</i> ..	<i>305-255-228-203</i>		If Sheathed, material and thickness	<i>✓</i>	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	<i>✓</i>		Stringer Plate, breadth and thickness.....	<i>1145 x 8 and Two plates 85</i>	
Plating, thickness of	<i>✓</i>		If Plated, state thickness.....	<i>Sheathed with wood 65 m/m Thick</i>	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	<i>✓</i>	
Stringer Plate, breadth and thickness in Wells	<i>1270 x 105</i>		If Plated, state thickness	<i>✓</i>	
" " " " in way of Bridge	<i>✓</i>		Poop Deck.		
" Angle in Wells	<i>✓</i>		Stringer Plate, breadth and thickness	<i>✓</i>	
Thickness of Plating abreast Deck openings in way of Wells	<i>✓</i>		Plating, Sheathing, material and thickness ..	<i>✓</i>	
Thickness of Plating abreast Deck openings in way of Bridge	<i>95</i>		Bridge Deck.		
If Sheathed, material and thickness	<i>no</i>		Stringer Plate, breadth and thickness.....	<i>450 x 8</i>	
Second Deck.			Plating, Sheathing, material and thickness ..	<i>Pitch Pine 63 m/m Thick</i>	
Stringer Plate, breadth and thickness in Wells...	<i>1140 x 85</i>		Forecastle Deck.		
			Stringer Plate, breadth and thickness.....	<i>✓</i>	
			Plating, Sheathing, material and thickness ..	<i>✓</i>	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>no</i>	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
FLAT PLATE KEEL	<i>1220</i>	<i>15^s</i>	<i>14</i>	<i>14</i>		<i>Double</i>	<i>22</i>	<i>68.6/</i>	<i>Treble foreaft</i>	<i>22</i>	<i>3/4 d</i>	<i>Strapped</i>	
„ DBLG. (if any)		<i>none</i>				<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	
BOTTOM PLATING, No. of Strakes <i>Three</i>	<i>1625-1615</i>	<i>12</i>	<i>10^s</i>	<i>10^s</i>		<i>Double</i>	<i>19</i>	<i>68.6/</i>	<i>Treble 1/2 L</i>	<i>19</i>	<i>3/4 d</i>	<i>Lapped</i>	
BILGE PLATING, No. of Strakes <i>Two</i>	<i>1615</i>	<i>12</i>	<i>10^s</i>	<i>10^s</i>		<i>—</i>	<i>19</i>	<i>—</i>	<i>Treble 1/2 L</i>	<i>19</i>	<i>3/4 d</i>	<i>—</i>	
SIDE PLATING, No. of Strakes <i>Two</i>	<i>1615</i>	<i>12</i>	<i>10</i>	<i>10</i>		<i>—</i>	<i>19</i>	<i>—</i>	<i>Treble 1/2 L</i>	<i>19</i>	<i>3/4 d</i>	<i>—</i>	
2nd DECK, Sheer-strake in Wells.....	<i>1615</i>	<i>12</i>	<i>10</i>	<i>10</i>		<i>—</i>	<i>19</i>	<i>—</i>	<i>Treble 1/2 L</i>	<i>19</i>	<i>3/4 d</i>	<i>—</i>	
UPPER DECK, Sheer-strake in Bridge ...	<i>1270</i>	<i>15</i>	<i>10</i>	<i>10</i>		<i>—</i>	<i>19</i>	<i>—</i>	<i>Treble 1/2 L</i>	<i>19</i>	<i>3/4 d</i>	<i>—</i>	
STRAKE BELOW Sheer-strake in Wells.....	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>		<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	
STRAKE BELOW Sheer-strake in Bridge ...	<i>1270</i>	<i>14^s</i>	<i>10</i>	<i>10</i>		<i>Double</i>	<i>22</i>	<i>68.6/</i>	<i>Treble 1/2 L</i>	<i>22</i>	<i>3/4 d</i>	<i>Lapped</i>	
POOP SIDE PLATING	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>									
BRIDGE SIDE PLATING ...	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>									
FOREC'TLE SIDE PLATING	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>									

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— *5*

Extending to Upper Deck (Sec. 3 c) *Three*

Deck next below *Two*

As per Rule *yes.*

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	<i>Plate</i>	<i>keel</i>	<i>Plate</i>	
STEM	<i>Forging</i>	<i>126 x 57</i>	<i>At Tuckalunda</i>	
STERN FRAME {	Propeller Post	<i>Castings</i>	<i>240 x 160</i>	<i>Tallens de Densta</i>
	Rudder ..	<i>✓</i>	<i>216 x 160</i>	<i>✓</i>
RUDDER—A x D	<i>8.66</i>			
Speed of Vessel	<i>12 knots</i>			
RUDDER mainpiece at head ...	<i>Forged</i>	<i>216 diam.</i>	<i>Soc. Espagnole de Chem. Naval</i>	
" " heel ...	<i>✓</i>	<i>158</i>	<i>✓</i>	
" how constructed	<i>Plate and Arms</i>			
" double or single plate	<i>Single Plate</i>	<i>26 m/m</i>		
" coupling, vertical or	<i>Vertical</i>			
" horizontal				

STEEL.

Manufacturer's name or trade mark of the Steel used in the construction of the

Vessel (state process of manufacture) *David Colville Glasgow and*

Siderurgica del Mediterraneo - Open Heart

Has the Steel been tested as required by the Rules? *yes.*

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Lloyd's Register
Foundation

EQUIPMENT No. 24999 + 36' 7d												LETTER N		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.	
992	1st Bower ...	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	Stockless	Sirat Mestrel	London 16.11.28 W.A. Black	
990	2nd „ ...	50	0	0	✓	✓	✓		860	1	22	48 3/4 US	—	—	London 16.11.28 W.A. Black	
2114	3rd „ ...	49	2	7	✓	✓	✓		841	2	19	48 1/4 US	—	—	London 16.11.28 W.A. Black	
	Collective weight.	2505	kg	5					42588	kg	5	41 1/2	—	—	London 16.11.28 A. Bennett.	
1019	Stream	15	2	20	4	2	12		304	2	2		Ex Stock	Sirat Mestrel	London 5.12.28 W.A. Black	

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.
<i>9226</i>	<i>220. m.</i>	<i>50.5</i>	<i>72.300</i>	Cwts.	qrs.	lbs.		<i>12 1/2</i>	<i>Ins.</i>	<i>Sirat Mestrel</i>	<i>London 16.11.28 W.A. Black</i>	<i>TOWLINE</i>	<i>90</i>	<i>40</i>	<i>Ins.</i>
<i>5650</i>	<i>274.5</i>	<i>50.5</i>	<i>72.300</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>		<i>15 3/4</i>	<i>Ins.</i>	<i>"</i>	<i>London 5.12.28 W.A. Black</i>	<i>HAWSERS & WARPS</i>	<i>24/90</i>	<i>7"</i>	<i>Ins.</i>
<i>Lean Stream Chain or Steel Wire</i>	<i>90</i>	<i>4 1/4</i>	<i>35</i>					<i>280.00</i>	<i>Ins.</i>	<i>Treflencia Espanola Bilbao</i>	<i>1.29. F. de Arce</i>	<i>"</i>	<i>24/90</i>	<i>6"</i>	<i>Ins.</i>

Steering Gear, Steam *Electric Masties* Steering Gear, Hand *Also by hand Masties*

Boats *2 Pine boats and 2 dinghys* Steering Chains, Size and Test *Telemotor* Windlass *Electric*

Ceiling in Holds, thickness and material *65 mm thick White Pine* Cargo Battens, thickness, material and spacing *as shown in sketch for N° 78*

Cargo Hatchways.-(Upper Deck) *Plates and angles* Thickness of Hatches *11 mm thick*

Size of No. 1 Hatchway (Forward) *9930 x 5.0 m* No. 2 *8540 x 5.0 m* No. 3 *8540 x 5.0 m* No. 4 *9930 x 5.0 m* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *5 webs in all hatches - Fore and afters none fitted.*

Builder's Signature *J. de Arce*

POR LA COMPANIA ENCA D NA
DE CONSTRUCCION EN DEBUQUES
El Director tecnico,

GENERAL DECLARATION (a) *This vessel has been built on stocks in general accordance with the approved plans and Society Rules*

(b) *The workmanship is sound solid and satisfactory also the materials employed*

(c) *The freeboard markings have been verified and chiseled on.*

(d) *The tanks weather decks, tunnel and bulkheads have been tested in accordance with the Rule requirements and found satisfactory -*

Note - *As the finish plans were not sent as promised for ship N° 78 they are now sent with this two vessels being sister ships.*

x Note - *An error was made on N° 78 Report in the space of solid floors the weight measurement being as in N° 79 given in said Report.*

The amount of Entry Fee £ *7/6* : *192* : Fees applied for,
Special Survey Fee.... £ *102* : *72* : *6 - 3 - 1929*
Travelling Expenses, if any £ : *111* : *Received by me, 6 - 3 - 1929*

State whether the Vessel has been built under Special Survey *yes* Signature *J. de Arce*
(Half Hull) Certificate to be sent to *this office (1360)* Date of issue *12/3/29* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *TUE. 12 MAR 1929* *FRI. 21 JUN 1929*
Character assigned *100 A1* *FRI. 19 JUL 1929*
with freeboard

Eng. Eric Lloyd's ascp *+ time 2.29 cl*
subject oil engines
TUE. 24 SEP 1929
TUE. 19 NOV 1929
TUE. 10 DEC 1929
TUE. 14 JAN 1930

The Surveyors are requested not to write on or below the Committee's Minute.

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.)

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

1st Bower 1550 kgs R.R. 625 - 30.8.28
2nd " 1527 " R.R. 625 - 30.8.28
3rd " 1512 " R.R. 628 - 30.8.28

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 ☒

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 3 decks - 3 tiers of beams
one of them the third deck covered with wood.

Official No. ; Signal Letters If bottom of Vessel has been coated Inside ☒ give particulars of composition Cement.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, Tank No 4	100.0	179 tons	Fore peak tank, no tank		
Double bottom, under Engines and Boilers,			After peak tank,	14.0	15.
Double bottom, if under Engines only, Tank No 5	30.0	57	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, 2 oil tanks in Motor Space	14.0	17
Double bottom, forward, Tanks Nos 1-2	126.0	253	Other tanks, if fitted, Double bottom under Motors	14.0	52
Total capacity of double bottom		489	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No.

Date 28.11.27.

Dates of Surveys held while building

1927 - October 14-15-22-28. Nov 3-9-12-28 December 30 February 28-29. March 1-8-20-23-28
May 5. June 8-13-16-19-20-30. July 11-15-28. August 1-3-11-17-18-23-27-Sept 11-14-21-27
October 4-6-11-13-15-18-20-24-30. Nov 2-10-13-15-16-17-22-23-27-28-29-30 December
7-11-12-13-14-17-18-19-26 January 1929-2-3-4-10-24-31 February 9-18

Total No. of Visits 75