

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 *30th August 1934*Port of *Bilbao*No. *8514*Survey held at *Vigo*Date First Survey *25th May 1932*Last Survey *4th August*

1934.

On the *Steel Twin Screw Oil Tanker*Date First Survey *25th May 1932*Last Survey *4th August*

1934.

State Type *Full scantling, Complete Superstructure with or without Tonnage Openings*State Type of Erections *Full, Trunk & B.2.H.*

TONNAGE under Tonnage Deck...

*873.67*CLASS *100A.1 contemplated* State if with freeboard as condition of Class *Yes*Built at *Vigo*

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

Total

1059.63

Gross Tonnage

1054.25

Register Tonnage

494.84

NETT

498.50

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

L *180.00*

Breadth (greatest moulded)

B *35.00*

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

D *13.50*

1st Longitudinal Number (L x D)

2430

2nd Numeral L x (B + D)

8730

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

13.33

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

12'-8"

Do. Long Bridge to top of keel

Draught Moulded

Launched *16th July 1934* Yard No. *520*Builders *Uyos de J. Carreras S.A.*Owners *Cia. Armadora del Noroeste de Petroleros S.A.*Managers *✓*

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

Residence *Madrid*Port of Registry *Barcelona*

If surveyed while building, afloat, or in dry dock

while building.

REGISTERED DIMENSIONS.

FT. METRES
Length *180.15* *54.90*
Breadth *35.1* *10.70*
Depth *13.4* *4.10*

FRAMES, DOUBLE BOTTOM AND BEAMS.

FRAMES, Spacing amidships		Any Departure from Approved Plans to be Noted.		FRAMES, Spacing amidships		Any Departure from Approved Plans to be Noted.	
from $\frac{3}{8}$ length to Collision bulkhead		Longitudinal framing		Bracket Floors, Frame		✓	
in peaks		Ischewood system (Bracketless)		Reversed Frame		✓	
		22"		Vertical Struts		✓	
FRAMING.				Centre Girder, depth and thickness amidships		900 9.5-8 12 under Boilers	
me Amidships, Angle, [or]		Longitudinal framing		top Angles		Double 75 75 8.5	
Extends up to		Ischewood system		bottom Angles		Double 75 75 9.5	
Reversed Frame Amidships, Angle		Bracketless		Side Girders, No. each side and thickness		Two 9.5 under engine	
Extends up to				Margin Plate depth (excl. of flange) and thickness		600 11.5-8.5	
Thickness of Framing Girder				Vertical Angle to Tank side		✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]		✓		Bracket abaft $\frac{1}{4}$ len. from stem		✓	
Second 'tween Decks, Angle, [or]		✓		Vertical Angle to Tank side		✓	
Third " " " "		✓		Bracket forward $\frac{1}{4}$ len. from stem		✓	
Spacing in Peaks, Angle		127 127 127		Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		✓	
Number and Spacing of Rivets through Frame and Shell Plating amidships		✓		Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		✓	
If Frame Joggled		No		Tank Side Brackets, height above base line at toe of Frame and thickness		✓	
NG ARRANGEMENTS (Sec. 7), state system and particulars		In 4th Peak Tank, solid floor 22" apart. 1st floor 230x90x11" B.A. 2nd floor 230x90x11" B.A. 3rd floor 230x90x11" B.A. 4th floor 230x90x11" B.A. 5th floor 230x90x11" B.A. 6th floor 230x90x11" B.A. 7th floor 230x90x11" B.A. 8th floor 230x90x11" B.A. 9th floor 230x90x11" B.A. 10th floor 230x90x11" B.A. 11th floor 230x90x11" B.A. 12th floor 230x90x11" B.A. 13th floor 230x90x11" B.A. 14th floor 230x90x11" B.A. 15th floor 230x90x11" B.A. 16th floor 230x90x11" B.A. 17th floor 230x90x11" B.A. 18th floor 230x90x11" B.A. 19th floor 230x90x11" B.A. 20th floor 230x90x11" B.A. 21st floor 230x90x11" B.A. 22nd floor 230x90x11" B.A. 23rd floor 230x90x11" B.A. 24th floor 230x90x11" B.A. 25th floor 230x90x11" B.A. 26th floor 230x90x11" B.A. 27th floor 230x90x11" B.A. 28th floor 230x90x11" B.A. 29th floor 230x90x11" B.A. 30th floor 230x90x11" B.A. 31st floor 230x90x11" B.A. 32nd floor 230x90x11" B.A. 33rd floor 230x90x11" B.A. 34th floor 230x90x11" 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PILLARS AND DECKS.

		IN SHIP.		Any Departure from Approved Plans to be Noted.		IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS.	No. of Rows.....	One							
	in fore and aft peaks.....	Steel plates, 1/2" thick, 10" wide, 10" high, 10" apart.							
	in tween Decks, Size and Spacing.....	Steel plates, 1/2" thick, 10" wide, 10" high, 10" apart.							
	Raised Quarter 8 1/2' to 8' 6" fore solid pillars 40" dia. 2' apart.								
Centre Line Bulkhead.	Stiffeners and Spacing.....	150 90 10 spaced 60" apart.							
	Plating, thickness of.....	10-5-8-0-8-5							
	Stringer Plate, breadth and thickness in Wells.....	1280 9							
	Angle in Wells.....	90 90 9							
STRINGERS AND DECKS.	Uppermost Continuous Deck.								
	Stringer Plate, breadth and thickness in Wells.....	1280 9							
	Angle in Wells.....	90 90 9							
	Thickness of Plating in way of Wells.....	9							
Second Deck.	Stringer Plate, breadth and thickness in Wells.....	600 8-5							
	Stringer Plate, breadth and thickness in way of Bridge.....								
	Thickness of Plating abreast Deck openings in way of Bridge.....								
	Thickness of Plating within line of openings.....								
Third Deck.	Stringer Plate, breadth and thickness.....								
	Thickness of Plating abreast Deck openings in way of Bridge.....								
	Thickness of Plating within line of openings.....								
	If Sheathed, material and thickness.....	65% P. Pine.							
Fourth Deck.	Stringer Plate, breadth and thickness.....								
	Thickness of Plating abreast Deck openings in way of Bridge.....								
	Thickness of Plating within line of openings.....								
	If Sheathed, material and thickness.....	65% P. Pine.							
Forecastle Deck.	Stringer Plate, breadth and thickness.....								
	Thickness of Plating abreast Deck openings in way of Bridge.....								
	Thickness of Plating within line of openings.....								
	If Sheathed, material and thickness.....	65% P. Pine.							

SHELL PLATING.

		SCANTLINGS.				RIVETING.			
STRAKES.	AS IN VESSEL.	AMIDSHIPS.		FORWARD.		EDGES.		BUTTS.	
		Breadth.		Thickness.		State if jogged?		RIVETS.	
		Thickness.	Thickness.	Thickness.	Thickness.	Single or Double.	Rivets.	No. of Rows of Rivets.	Strapped or Lapped.
FLAT PLATE KEEL.....	990 14 12 12					Double 19 66	Three 22 77	Lapped	
" DBLG. (if any)	✓								
BOTTOM PLATING, No. of Strakes.....	9 8 8					Double 19 66	Two 19 66	Lapped	
BILGE PLATING, No. of Strakes.....	9 8 8					" " "	" " "	"	
SIDE PLATING, No. of Strakes.....	8-5 8 8					" " "	" " "	"	
UPPER DECK, Sheer-strake in Wells.....	11-0 at Raised Quarter 8 1/2' from					" " "	Three " "	"	
UPPER DECK, Sheer-strake in Bridge.....	✓					✓			
STRAKE BELOW Sheer-strake in Wells.....	8-5 8 8					Double 19 66	Two 19 66	Lapped	
STRAKE BELOW Sheer-strake in Bridge.....	✓					✓			
RAISED QUARTER DECK SIDE PLATING.....	✓					Single 19 46	Two 19 66	Lapped	
BRIDGE SIDE PLATING.....	✓					✓			
FORECASTLE SIDE PLATING.....	✓					Single 19 46	Two 19 66	Lapped	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) Six

Deck next below One

As per Rule was approved Six & one.

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD., Upper tween decks	7-6-5	100x75x8.0 A.	685	3 brackets P.S. at shell longitudinal	
" " Second	"	1 bracket each side of C.L. Bld.			
" " Third	9-5-8-5	600x9 45x45x9.5 A.	2130	180x75x9.5 B.A. (610	
" " Holds	7-5-11-0	450x9 45x45x9.5 A.	2130	150x75x8.5 B.A.	
COLLISION (in Hold)	B.A. 9-5-8-0	200x75x11-5 150x75x8.5	610	4 brackets P.S. at shell longitudinal	
AFTER PEAK	B.A. 10-4-5	200x75x10-5 140x65x7-5	610		

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar.....	✓			
STEM.....	Roller section 160x35 1/2" B.S. "A" Brackets fitted as approved S.C.N. Reina.			
STERN FRAME.....	Propeller Post			
Rudder.....	M.S. Casting 161x90 1/2" - ditto -			
RUDDER—A x D x 100 =	624			
Speed of Vessel.....	4 Knots			
RUDDER mainpiece at head	Forging 195% Altos Hornos.			
" " heel	145% "			
" how constructed	Plate & Forged Arms keyed on mainpiece			
" double or single plate	Single 22 1/2"			
" coupling, vertical or horizontal.....	vertical.			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Altos Hornos de Vizcaya, Sagunto, Reinigite Stahlwerke

Has the Steel been tested as required by the Rules?

Yes.

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.)

PILLAI

Centre

Plat

STRING

Upper

Strin

Thic

in

Thic

in

If SH

Secor

Strin

STR

FLAT PLAT

of Strak

BILGE PLA

Strakes

SIDE PLA

Strakes

UPPER DI

strake

UPPER DI

strake

STRAKE B

strake

STRAKE B

strake

BRIDGE SH

FOREC'TLE

Total No.

Official No.

Signal Letters

Particulars of composition

Particulars of Water Ballast

Where Fitted

Length

Water Capacity

Where Fitted

Length

Water Capacity

Where Fitted

Length

Water Capacity

Where Fitted

Length

Water Capacity

"CAMPALANS" REPORT NO 8514
PARTICULARS OF LONGITUDINAL FRAMING. (BRACKETLESS)

Rp 1*

FRAMING.	AMIDSHIPS.		ENDS.		AMIDSHIPS.		ENDS.		RIVETING.		RIVETING.	
	In Ship.	Per Rule or as approved.	In Ship.	Per Rule or as approved.	In Ship.	Per Rule or as approved.	In Ship.	Per Rule or as approved.	Rivets in Longitudinal Frames.	Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Longitudinal Frames.	Spacing of Rivets on each side of Transverses and Bulkheads.
aming of V. L. & E. Frames in Uppermost Continuous Deck	180 75 9.5	130 65 8 FORP	130 65 8 FORP	130 65 8 FORP	180 75 9.5	130 65 8 FORP	130 65 8 FORP	130 65 8 FORP	19 19 19	19 19 19	19 19 19	19 19 19
" 2	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
" 3	180 75 11	140 65 8.5 FORP	140 65 8.5 FORP	140 65 8.5 FORP	180 75 11	140 65 8.5 FORP	140 65 8.5 FORP	140 65 8.5 FORP	" " "	" " "	" " "	" " "
" 4	200 75 10.5	150 75 9.5 AFT	150 75 9.5 AFT	150 75 9.5 AFT	200 75 10.5	150 75 9.5 AFT	150 75 9.5 AFT	150 75 9.5 AFT	" " "	" " "	" " "	" " "
" 5	" " "	180 75 9.5 AFT	180 75 9.5 AFT	180 75 9.5 AFT	" " "	180 75 9.5 AFT	180 75 9.5 AFT	180 75 9.5 AFT	" " "	" " "	" " "	" " "
" 6	230 90 11	230 90 11 FORP	230 90 11 FORP	230 90 11 FORP	230 90 11	230 90 11 FORP	230 90 11 FORP	230 90 11 FORP	" " "	" " "	" " "	" " "
" 7	250 90 11.5	180 75 10 FORP	180 75 10 FORP	180 75 10 FORP	250 90 11.5	180 75 10 FORP	180 75 10 FORP	180 75 10 FORP	" " "	" " "	" " "	" " "
" 8	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
" 9	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
" 10	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
" 11	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
" 12	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
" 13	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
" 14	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
" 15	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "	" " "
" 16	410 75 10.5	410 75 10.5	410 75 10.5	410 75 10.5	410 75 10.5	410 75 10.5	410 75 10.5	410 75 10.5	" " "	" " "	" " "	" " "
Spacing of longitudinal Frames	At Ends	At Ends	At Ends	At Ends	At Ends	At Ends	At Ends	At Ends	" " "	" " "	" " "	" " "
double bottoms	Tank Top Longitudinals	180 75 10	180 75 10	180 75 10	180 75 10	180 75 10	180 75 10	180 75 10	" " "	" " "	" " "	" " "
"	Bottom	180 75 10	180 75 10	180 75 10	180 75 10	180 75 10	180 75 10	180 75 10	" " "	" " "	" " "	" " "
acing of Longitudinals	Amidships	410	410	410	410	410	410	410	" " "	" " "	" " "	" " "
"	At Ends	410	410	410	410	410	410	410	" " "	" " "	" " "	" " "
Transverses.	Depth and Thickness	385 8.5	385 8.5	385 8.5	385 8.5	385 8.5	385 8.5	385 8.5	" " "	" " "	" " "	" " "
In Bridge	Face Angles	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	" " "	" " "	" " "	" " "
ween Decks	Lugs to Shell	460 9.5	460 9.5	460 9.5	460 9.5	460 9.5	460 9.5	460 9.5	" " "	" " "	" " "	" " "
In	Depth and Thickness	127 127 9.5	127 127 9.5	127 127 9.5	127 127 9.5	127 127 9.5	127 127 9.5	127 127 9.5	" " "	" " "	" " "	" " "
upper Decks	Face Angles	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	" " "	" " "	" " "	" " "
TRUNK.	Lugs to Shell	460 9.5	460 9.5	460 9.5	460 9.5	460 9.5	460 9.5	460 9.5	" " "	" " "	" " "	" " "
In Hold.	Depth and Thickness	127 127 9.5	127 127 9.5	127 127 9.5	127 127 9.5	127 127 9.5	127 127 9.5	127 127 9.5	" " "	" " "	" " "	" " "
"	Face Angles	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	75 75 8.5	" " "	" " "	" " "	" " "
"	Lugs to Shell	460 9.5	460 9.5	460 9.5	460 9.5	460 9.5	460 9.5	460 9.5	" " "	" " "	" " "	" " "
"	Back Bars	none	none	none	none	none	none	none	" " "	" " "	" " "	" " "
"	Brackets	at top 9.5	at top 9.5	at top 9.5	at top 9.5	at top 9.5	at top 9.5	at top 9.5	" " "	" " "	" " "	" " "
acing of Transverse Frames	2.49 x 3.56 M Centalpen	2.24 M.	2.49 x 3.56 M Centalpen	2.24 M.	2.49 x 3.56 M Centalpen	2.24 M.	2.49 x 3.56 M Centalpen	2.24 M.	" " "	" " "	" " "	" " "
ongitudinal Beams of	TRUNK	180 75 10.5	180 75 10.5	180 75 10.5	180 75 10.5	180 75 10.5	180 75 10.5	180 75 10.5	" " "	" " "	" " "	" " "
"	Upper	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	" " "	" " "	" " "	" " "
"	Second	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	" " "	" " "	" " "	" " "
"	Third	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	180 75 9.5	" " "	" " "	" " "	" " "

Particulars of Drop Test of Cast Steel Anchors, viz.:—
1st Bower 14-1-14 Cots. W.B. 4350. 1-9-33 4 7-0-14 Cots W.B. 1414. 1-9-33.
2nd " 14-2-1 Cots W.B. 4351. 1-9-33 4 7-0-1 Cots W.B. 1413. 1-9-33.
3rd " 12-0-14 Cots W.B. 4352. 1-9-33 4 6-1-12 Cots W.B. 1415. 1-9-33.
Stream Anchor 4-2-19 Cots W.B. 4353. 1-9-33.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. 55.7 ft., TRUNK 90 ft., Forecastle 34.2 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (This information is to be given as it should appear in the Register Book)
Club frames, longitudinal framing (Bracketless system)
Official No. Signal Letters
Is bottom of Vessel coated with cement As stated
particulars of composition Bitumastic in peak tanks, dry tanks, under boilers, pump room, dry cargo hold, paint in wing tanks and cement in double bottom tanks under boilers. (Cargo oil tanks & fuel tanks not coated.)

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,		
Double bottom, if under Engines only,	19.1	20	Deep tank, aft,	12.9	31
Double bottom, if under Boilers only,	19.1	39	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
			(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.
Dates of Surveys held while building
1932. MAY 25 JUNE 28, 29, 30. JULY 1, 2, 24. AUG. 30, 31. SEPT. 20, 21. OCT. 18, 19, 20. NOV. 17, 18. DEC. 1, 2, 19.
1933. JAN. 11, 12. FEB. 23, 24. MARCH 8, 9, 10, 29, 30, 31. APR. 10, 11, 12. MAY 3, 4. JUNE 6, 7, 13, 14. JULY 12, 28, 29, 30, 31.
AUG. 21, 22, 23, 24, 25, 26, 28, 29, 30. NOV. 7, 8, 30. DEC. 16, 17.
1934. JAN. 18. FEB. 21. APR. 5. JUNE 4, 28. JULY 21, 22. AUG. 4.
Total No. of Visits 65.

The foregoing is a correct description
JOSÉ DE J. BARRERAS, S. A.
UN DIRECTOR
Jesús Barreras
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Lloyd's Register Foundation