

STEEL STEAMER OR MOTORSHIP.

Received at London Office 13/11/1959

WRECK SECTION
No. 861

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 25-3-59. Port of CADIZ

Survey held at CADIZ Date First Survey 3-9-56 Last Survey 16-2-59. 1959.

On the RPT. DEPT. 4/4. SING. SC. MOTOR TANKER 'BONIFAZ'

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) SINGLE DECK OIL TANKER WITH 2 LONG⁴ BHDS. State Type of Erections P. B. & F.

TONNAGE under Tonnage Deck ...

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

Total

Gross Tonnage 12942

Register Tonnage

CLASS PETROLEUM IN BULK 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) 161.54

Breadth (greatest moulded) B 21.64

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 11.900

1st Longitudinal Number (L x D)

2nd Numeral L x (B + D)

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

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

Do. Long Bridge to top of keel

Draught Moulded 9.186 mts.

Built at CADIZ

Launched 27-9-57 Yard No. 47.

Builders ASTILLEROS DE CADIZ S.A.

Owners NAVIRA DE CASTILLA S.A.

Managers

(Where necessary to be entered in Reg. Book)

Residence SANTANDER

Port of Registry CADIZ

If surveyed while building, afloat, or in dry dock BUILDING, AFLOAT & IN DRY DOCK.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	M/M'S. IN SHIP.	Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	LONG ⁴ FRAMING SEE RPT 1*			
FORWARD COFFERDAM	700 ✓			
from length amidships to Collision bulkhead.....	610 ✓			
in peaks				
SIDE FRAMING.	LONG ⁴ FRAMING. ✓			
Frame Amidships, Angle, [or]	WITH WEB			
FRAMES IN E.R. Extends up to UPPER DK. 280 x 14 B. PLATE FR. 19, 24, 28, 32, 36, 40	910 x 11. 250 x 21 FACE PL.			
WEB FR. 28.				
Reversed Frame Amidships, Angle	280 x 12 B. PLATE ✓			
FORWARD DEEP TANK FRAMES	300 x 11 150 x 14 F.F. WITH			
FORWARD HOLD FR. Extends from D.T. to UDK. WEB FRAMES 178, 182, 186. 790 x 11. 300 x 17.5 F.F. ✓				
WEB FR. 182				
Depth of Framing Girder.....				
BRIDGE	100 x 60 x 9 WITH 75 x 75 x 9 m/m REV ✓			
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	230 x 11 B. PLATE ✓			
POOP				
Second 'tween Decks, Angle, [or]	230 x 11 B. PLATE ✓			
FOCLE				
Third				
FWD COFFERDAM TO from 1/4 len. for d. to 15% len. from Stem COLLISION BULKHEAD	IN FWD DEEP TANK & FORE HOLD AS ABOVE STATED ✓			
in Peaks, Angle or [235 x 13 B.P. ✓			
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	LONG ⁴ FRAMING. ✓			
State if Frame Joggled.....	NO. ✓			
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES AND AS APPROVED. ✓			
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES AND AS APPROVED. ✓			
SINGLE BOTTOM. (IN DEEP TANK FWD)				
Floors, Depth and thickness at mid-line in Hold. FRAME	1242 x 12. 130 x 12.5 F.F. ✓			
Height of Brackets at side above base line at toe of frame.....	2342 ✓			
Middle Line Keelson, on Floors, Angles, [or]				
" " " Through Plate or Inter-costal Plate	WELDED DIRECT. ✓			
" " " Foundation Plate on Floors	WELDED DIRECT ✓			
" " " Flat Plate Keel Angles				
Side Keelsons, No. each side.....	2 ✓			
" " thickness of Intercoastal Plate...	11 ✓			
" " Angles FACE FLAT.	180 x 12.5 ✓			
DOUBLE BOTTOM. IN ENGINE RM.				
Solid Floors, thickness and spacing	11.5 825 ✓			
" " Are Frame and Reversed Frame joggled?	FLOORS WELDED DIRECT TO SHELL & TANK TOP. ✓			
Bracket Floors, breadth and thickness at middle line				
" " breadth and thickness at margin plate.....				
Bracket Floors, Frame				
Reversed Frame.....				
Vertical Struts				
Centre Girder, depth and thickness amidships	2460 x 14.5 ✓			
" " IN SUMP UNDER ENGINE	1100 x 18.0 ✓			
" " top Angles	WELDED TO TANK TOP & SHELL ✓			
" " bottom Angles.....				
Side Girders, No. each side and thickness.....	3 off 20, 16 & 11.5 ✓			
Margin Plate depth (excl. of flange) and thickness	TANK TOP PLATED TRANSVERSELY ✓			
" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	ALL WELDED & CARRIED HORIZONTALLY TO SHELL. ✓			
" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area				
" " Gussets, spacing and scantling abaft 1/4 len. from stem.....				
" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area				
Tank Side Brackets, height above base line at toe of Frame and thickness	3, 110, 11.5 ✓			
INNER BOTTOM PLATING. IN ENGINE RM.				
Breadth and thickness of Middle Line Strake...	14.5 18 IN ENGINE WELL ✓			
Thickness of remainder = 14.5 ✓				
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?	AS APPROVED. ✓			
BEAMS.				
Uppermost Continuous Deck, amidships in Wells, Angle, [or]	LONG ⁴ BEAMS. ✓			
" " in way of Bridge, Angle, [or]	SEE RPT. 1*. ✓			
Spacing				
UPPER DK. FORWARD. FABRICATED T.BAR				
Second Deck, amidships, Angle, [or]	140 x 9. 120 x 14 F.F. & AS APPROVED. ✓			
Spacing	700 ✓			
UPPER DECK AFT.				
Third Deck, amidships, Angle, [or]	203 x 12.5 BULB PL. 10 ✓			
Spacing	165 x 9.5 " " 825-610 ✓			
Fourth Deck, amidships, Angle, [or]				
Spacing.....				
Poop Deck, Angle, [or] BULB PL.	200 x 12.5 To 165 x 10 825 & 610 ✓			
Spacing.....				
Bridge Deck, Angle, [or] BULB PL.	200 x 11 835. ✓			
Spacing.....				
Forecastle Deck, Angle, [or] FABRICATED T.BAR	150 x 9 120 x 14 & AS APPROVED. ✓			
Spacing.....	700. ✓			

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.
LONG ¹ BHD. P.S. IN CARGO TANKS					
PILLARS, No. of Rows	CORRUGATED HORIZONTALLY				
" in 'tween Decks, Size and Spacing		470	290		
" " " " " "		290			
" in Holds " " " "		470			
" " " " " "		290			
Centre Line Bulkhead. Stiffeners and Spacing		2340			
Plating, thickness of					
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells		1920 x 27.5	APP ^d 23 m/m		
" " " " in way of Bridge		AS ABOVE	BRIDGE SET IN 305 m/m		
" Angle in Wells		150 x 150 x 18	AS APP ^d		
Thickness of Plating abreast Deck openings in way of Wells		21	AS APPROVED		
Thickness of Plating abreast Deck openings in way of Bridge		21			
Thickness of Plating within line of openings		21			
If Sheathed, material and thickness		UNSHEATHED			
Second Deck.					
Stringer Plate, breadth and thickness in Wells					
Stringer Plate, breadth and thickness in way of Bridge					
Thickness of Plating abreast Deck openings in way of Wells					
Thickness of Plating abreast Deck openings in way of Bridge					
Thickness of Plating within line of openings					
If Sheathed, material and thickness					
Third Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Fourth Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Poop Deck.					
Stringer Plate, breadth and thickness		1450 x 8			
Plating, Sheathing, material and thickness		WOOD WHERE EXPOSED CEMENT IN WAY OF			
Bridge Deck.					
Stringer Plate, breadth and thickness		1500 x 8			
Plating, Sheathing, material and thickness		WOOD WHERE EXPOSED CEMENT IN WAY OF			
Forecastle Deck.					
Stringer Plate, breadth and thickness		1400 x 8.5 m/m			
Plating, Sheathing, material and thickness		8.5 UNSHEATHED			

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.				
	AMIDSHIPS.		FORWARD.	AFT.	State if Joggled?		NO.		
	Breadth.	Thickness.	Thickness.	Thickness.	SINGLE OR DOUBLE.	RIVETS.	No. of Rows of Rivets.	RIVETS.	STRAPPED OR LAPPED.
Flat Plate Keel	2000	27.5	27.5	27.5	WELDED.	ALL WELDED EXCEPT AS SHOWN BELOW.	WELDED		
" Dblg. (if any)									
Bottom Plating, No. of Strakes 4 (A, B, C, D)	7080	21	13	17.5					
Bilge Plating, No. of Strakes 3 (E, F, G)	5300	21	13	14.5					
Side Plating, No. of Strakes 4 (H, I, J, K)	7080	17	13	13					
Upper Deck, Sheer-strake in Wells	1805	26	14	13					
Upper Deck, Sheer-strake in Bridge	BRIDGE SIDE SET								
Strake below Sheer-strake in Wells	IN 305 m/m FROM								
Strake below Sheer-strake in Bridge	SHIP SIDE.								
Poop Side Plating	-	-	-	11.5					
Bridge Side Plating	-	11.5	-	-					
Forecastle Side Plating	-	-	11.5	-					
					THE ABOVE SEAMS ARE OVER THE LENGTH OF CARGO SPACE. FRG. 44-167 APPROX.				

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	16 17
" Deck next below	-
As per Rule	7

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	FLAT PLATE KEEL			
STEM	FABRICATED FROM STEEL PLATES			
STERN FRAME	Propeller Post	CASTING - AS APPROVED		
	Rudder	NONE		
Speed of Vessel	14 KNOTS.			
RUDDER—Type	'SIMPLEX' SEMI-BALANCE			
" A x D.	20.905 m ³			
" Diam. of Rudder Post	FORGING 355 DIA.			
" Rudder Post at top pintle	FORGING 324			
" heel	322			
" how constructed	FABRICATED AS PER APP ^d PU			
" double or single plate coupling, vertical or horizontal	DOUBLE HORIZONTAL			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks	13.5 TOLL AT TOP	290 m/m		VERTICAL WEB ONE 1370 x 12.5 m/m & 430 x 18 F.F.	
" Second		470			
" Third		290			
" Holds		470			
COLLISION (in Hold)	9 To 7.5	200 x 13 B.P.L. 670			
AFTER PEAK (in DEEP TANK)	14 To 10	250 x 12.5 B.P.L. 670			
	13.5 To 7.5	305 x 13.0 B.P.L. 610			

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

STEEL. S.A. COCKERILL - OUGREE, DORTMUND - HONDER HUTTENUNION A.G. PHOENIX RHEINROHR A.G. VORRBOTTENS JARNYERK A.B. STE AM E DES FORGES DE LA PROVIDENCE MARCHEIENNE AU PONT, THE FUJI IRON & STEEL CO. LTD. HIROHATA, YAMATO SEIKO KABUSHIKA. KAWASAKI STEEL CORPORATION FUKUI.

Has the Steel been tested as required by the Rules? YES

OPEN HEARTH PROCESS.

Rpt. 1°.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Brackets to Bulkheads.	
		Ins. m/m	Ins. m/m	Ins. m/m	Ins.	Ins.	Ins.		Diam. Ins.	Speng. Ins.		Number.	Diameter. Inches.
ing of L, L or C													
es in Bridge 'tween Decks ...													
es from Uppermost Continuous Deck	No. 1	230 x 11	B. PL.	✓									
	" 2	230 x 11	"	✓									
	" 3	230 x 11	"	✓									
	" 4	250 x 11	"	✓									
	" 5	250 x 12	"	✓									
	" 6	265 x 12.7	"	✓									
	" 7	280 x 12.7	"	✓									
	" 8	290 x 12.7	"	✓									
	" 9	300 x 12.7	"	✓									
	" 10	340 x 11 80x12 F.F.	✓				APPROVED 320 x 13 B. PLATE						
	" 11	340 x 12 85x12 F.F.	✓				" 320 x 13.5 " "						
	" 12	340 x 12 90x12 F.F.	✓				" 320 x 15.0 " "						
	" 13	340 x 12 100x12 F.F.	✓				" 320 x 16.5 " "						
	" 14	400 x 12 100x14 F.F.	✓										
	" 15	450 x 12 100x14 F.F.	✓										
	" 16	475 x 12 120x14 F.F.	✓										
Spacing of Longitudinal Frames	Amidships	760 & 720.	✓										
	At Ends	-											
Tank Top Longitudinals		-											
Bottom		475 x 12. 120x14 F.F.	✓										
ing of Longitudinals	Amidships	760, 775 & 615	✓										
	At ends...	-											
Transverses.													
Side	Depth and Thickness	920 x 11.5	✓										
Face	FLATS	200 x 10.5	✓										
Lugs to Shell*		WELDED DIRECT	✓										
Depth and Thickness		920 x 11.5	✓										
Face	FLATS	200 x 10.5	✓										
Lugs to Shell*		WELDED DIRECT	✓										
Depth and Thickness		1670 x 12.5	✓										
Face	FLATS	554 x 21.0	✓										
Lugs to Shell*		WELDED DIRECT	✓										
Back Bars		-											
Brackets		AS APPD.	✓										
Spacing of Transverse Frames...													
State if joggled or liners.													
Longitudinal Beams of L or C													
Bridge Deck		300 x 13.5 B. PLATE	✓										
Upper		304.8 x 12.7 " "	✓										
Second		" " 304.8 x 88.9 x 12.7. B.A	✓										
Third		" " " "	✓										

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., to be entered in their respective places provided for on the Report Forms.

NOTE.—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, &c., on the first page.

© 2020

Lloyd's Register Foundation

000073

ANCHORS. 3 B.

HAWSERS AND WARPS.

ELEC. HYDRAULIC, TWO INDEPENDENT PUMPING
UNITS DRIVEN BY ELEC. MOTORS MADE BY E.N.E

Builder's Signature. [Signature] 25/IV/59

~~write bdy. them~~
~~write bcl.~~

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.)

TRIED UNDER WORKING CONDITIONS AND FOUND SATISFACTORY.

NO SISTER SHIP.

FORGING & CASTING CERTIFICATES ATTACHED TO THIS REPORT.— STERNFRAME, UPPER & LOWER PARTS
RUDDER, UPPER & LOWER PARTS N^o 115
RUDDER BACK POST.
RUDDER STOCK

DISPOSITION AND EXTENT OF P403 STEEL INDICATED ON SHELL EXPANSION & UPPER DK. PLAN
SEE ALSO ATTACHED LISTS OF PLATE MARKINGS. ~~TOGETHER WITH MILL STAMPS~~
PLANS. SEE LIST OF 'AS FITTED' AND APPROVED PLANS ATTACHED TO THIS REPORT.

PARTICULARS OF ELECTRIC WELDING (if employed) SHELL SEAMS KEEL/A A/B, C/D, E/F, F/G, H/I, I/J, J/K, K/L. SHELL BUTTS.
UPPER DK. SEAMS CENTRE/A A/B C/D D/E. UPPER DK. BUTTS; SUPERSTRUCTURE DECKS & BULKHEADS, LONGITUDINAL AND TRANSVERS
BULKHEADS, WEB FRAMES, DECK AND BOTTOM TRANSVERSES, DOUBLE BOTTOM TANK TOP, FLOORS & INTERCOSTALS, SHIPSIDE &
BULKHEAD STRINGERS & GIRDERS, HATCH COAMINGS, DECK CENTRELINE GIRDER AND VERTICAL CENTRE KEEL.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book
+100 AI CARRYING PETROLEUM IN BULK
LONGITUDINAL FRAMING E.S.D. WIRELESS D/F, RADAR

OIL ENGINE, LLOYDS A9CP MACHINERY AFT. E.W. EXCEPT DECK—
STRINGER ANGLE, BILGE SEAMS, ONE DECK & ONE BOTTOM SEAM (P+S).
MAIN SHEER UPPER DK STRINGER & KEEL PLATING OF P403 STEEL.

RADAR Equipment (State if fitted) YES

State Type or Pattern No. TYPE 12

State } Maker MARCONI ESPAÑOLA
Name } and/or
of } Supplier DECCA RADAR LTD

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower SHANK 1576 KGS. HEAD (EX PIN) 2756 A.B. 6219 17-8-57
	2nd " SHANK 1560 HEAD (EX PIN) 2766 A.B. 6246 28-8-57
	3rd " 1513 HEAD (EX PIN) 2736 AB 7310 1-2-58

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 31.73 MTS. R.Q.D. — ft., Bridge 11.69 MTS, Forecastle 22.63 MTS
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated —

Official No. — Signal Letters EBXS Extreme Breadth over Belting 22.40 metres. Over-all Length 170.67 METRE
(Circ. 1611) 21.716 metres (Circ. 1703)

No. and Material of Decks ONE STEEL ✓
Parts of Bottom of Vessel coated with cement or approved composition FORE & AFTER PEAKS CEMENT WASHED ✓

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. METRES	Water Capacity. Tons.	Where Fitted.	Length. METRES	Water Capacity. Tons.
Double bottom, aft, FRS 14-23	7.425	77.46FW	Fore peak tank, FRS 190-STEM	—	230.85
Double bottom, under Engines and Boilers, FRS 24-33	7.425	69.840F	After peak tank, FRS 14-STEM	—	280.83
Double bottom, if under Engines only, FRS 33-45 (H.S.)	9.90	186.980F	O.F. BUNKERS FRS 45-50 (P.C.+S)	4.125	432.53
Double bottom, UNDER ENGINE			Deep tank, aft, FRS 45-50 (P.C.+S)	4.125	424.72
Double bottom, if under Boilers only, FRS 24-34 (CR)	8.25	27.52 L.O	Deep tank, forward, FRS 175-189 (P.S.) O.F./W.B.	9.80	532.90
Double bottom, FRS 34-39 (CR)	4.125	13.67 L.O	Other tanks, if fitted, SETTLING TANKS FRS 45-47	1.65	32.26
Double bottom, forward, FRS 39-44 (CR)	4.125	13.67 L.O	FORWARD COFF/DAM = 174-S		200.9
Total length (if continuous) and Capacity	25.57		AFTER COFF/DAM. = 50-51		233.7

Order for Special Survey No. —

Date —

Dates of Surveys
held while building

1st VISIT 3-9-56

LAST VISIT 15-2-59.

TOTAL N^o OF VISITS 180.



© 2020

Lloyd's Register
Foundation

Total No. of Visits 180