Rpt. 1.

STEEL STEAMER or MOTORSHIP.

Received at London Office .....

State if Report has been sent on the Freeboard of the Vessel yes. Copy as assigned by Spanish Authority.

State if Report is sent on the Machinery of the Vessel yes

Date of completion of report 6th March 1945 *Port of* Barcelona *No.* 5025

Survey held at Valencia *Date First Survey* 29th April 1942 *Last Survey* 27th January 1944

On the (*State if Machinery fitted Aft and if Single, Twin or Triple Screw*) Coaster M/V "VIRGEN DE LA ESPERANZA" Machinery Aft. Single Screw

State Type (*Full Scantling, Complete Superstructure with or without Tonnage Openings*) full scantling *State Type of Erections* Poop & Open Forecastle

TONNAGE under Tonnage Deck 307.12

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

Total

Gross Tonnage 399.66

Register Tonnage 181.77

REGISTERED DIMENSIONS.

		Feet
Length	41.68	136.7
Breadth	8.053	26.4
Depth	3.165	10.4

CLASS +100A1 *State if with freeboard as condition of Class* no

For coasting service

		Metres
Length *from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)*	L	42.14 ✓
Breadth (*greatest moulded*)	B	8.00 ✓
Depth, *at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)*	D	3.40 ✓
1st Longitudinal Number (L × D)		= 143.28 ✓
2nd Numeral L × (B + D)		= 480.40
Framing Depth "d." *at middle of length. See Sec. 3 (1d)*		3.04
Proportions—*Depth to Length—Uppermost continuous deck to top of keel*		12.39
Do. Long Bridge to top of keel		----
Draught Moulded		3.06

Built at Valencia

Launched 26th April 1943 *Yard No.* 40

Builders Union Naval de Levante

Owners D. Vicente Enseñat

Managers D. Vicente Enseñat

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

Residence Madrid

Port of Registry Palma de Mallorca

If surveyed while building, afloat, or in dry dock during building.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships				
" " from 3/5 length to Collision bulkhead		565 ✓		
" " in peaks				
SIDE FRAMING.				
Frame Amidships, Angle, ~~L or L~~ Frames 8,15,21,37,44 & 60 are webs ✓	110	70	8 ✓	✓
Extends up to	Upper dk	Plate	220.6'5 ✓	
Reversed Frame ~~Amidships, Angle~~ at the ng.room double angle of....	Reverse		65.65.7 ✓	
" " Extends up to...	76	64	8.75 ✓	✓
	side stringer			
Depth of Framing Girder		110 ✓		
Frames in Uppermost Continuous 'tween Decks, Angle, L or L		/		
" " **Second 'tween Decks,** Angle, L or L		/		
" " **Third** " " " "		/		
Framing in Peaks, Angle ~~or L~~	76	64	7.1 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	16	apart ✓	7 diam. ✓	
State if Frame Joggled ...no... ✓				
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	By beams & stringers as approved plan. ✓			
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double frames at bottom & additional side keelsons forward of ½ length. ✓			
ANGLE BOTTOM.				
Floors, Depth and thickness at mid-line in Holds	360	7.5 ✓		
Height of Brackets at side above base line at toe of frame	Frames attached to floors. ✓			
Middle Line Keelson, on Floors, Angles, ~~L or L~~ ...two...	90	75	9 ✓	
" " " Through Plate or Intercostal Plate...	7 & 8.5 at eng.room			✓
" " " Foundation Plate on Floors		/		
" " " Flat Plate Keel Angles	~~45~~	~~45~~	8	
Side Keelsons, No. each side ~~1~~ & 2 at... forward of the ½ length ✓				
" " thickness of Intercostal Plate...	6.5 & 10 at eng.room			✓
" " Angles ...two... head	75	75	8 ✓	
base	65	65	7 ✓ and	
	75	75	8 ✓ at eng.room	✓
DOUBLE BOTTOM.				
Solid Floors, thickness and spacing		/		
" " Are Frame and Reversed Frame joggled ?		/		
Bracket Floors, breadth and thickness at middle line		/		
" " breadth and thickness at margin plate		/		

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
Bracket Floors, Frame		/		
" " Reversed Frame		/		
" " Vertical Struts		/		
Centre Girder, depth and thickness amidships		/		
" " top Angles		/		
" " bottom Angles		/		
Side Girders, No. each side and thickness		/		
Margin Plate depth (excl. of flange) and thickness		/		
" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem		/		
" " Vertical Angle to Tank side Bracket forward ¼ len. from stem		/		
" " Gussets, spacing and scantling abaft ¼ len. from stem		/		
" " Gussets, spacing and scantling forward ¼ len. from stem		/		
Tank Side Brackets, height above base line at toe of Frame and thickness		/		
INNER BOTTOM PLATING.				
Breadth and thickness of Middle Line Strake ...		/		
Thickness of remainder in Holds		/		
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 ?		/		
BEAMS.				
Uppermost Continuous Deck, amidships in Wells, Angle, ~~L or L~~	120	80	10 ✓	through &
" " in way of Bridge, Angle, ~~L or L~~	76	64	7.1 ✓	half. ✓
Spacing		565 ✓		
Second Deck, amidships, Angle, L or L		/		
Spacing		/		
Third Deck, amidships, Angle, L or L		/		
Spacing		/		
Fourth Deck, amidships, Angle, L or L		/		
Spacing		/		
Poop Deck, Angle, ~~L or L~~	110	70	8 ✓	
Spacing		565 ✓		
Bridge Deck, Angle, L or L		/		
Spacing		/		
Forecastle Deck, Angle, ~~L or L~~	110	70	8 ✓	
Spacing		565 ✓		

PILLARS AND DECKS.

	m/m Inches IN SHIP.			Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows..... one ✓				
„ in 'tween Decks, Size and Spacing.....		/		
„ „ „ „ „		/		
„ in Holds fitted at the hatch ends... ✓	150	diam. &		✓
	10	thick.		
„ „ „ „ „				
Centre Line Bulkhead. Stiffeners and Spacing.....		/		
Plating, thickness of		/		
STRINGERS AND DECKS. **Uppermost Continuous Deck.** Stringer Plate, breadth and thickness ~~in Wells~~	1500	x 10		✓
„ „ „ „ in way of Bridge	1500	x 13		✓ No bridge fitted
„ ✓ Angle ~~in Wells~~	75	75 8		✓
Thickness of Plating abreast Deck openings ~~in way of Wells~~		10 ✓		
Thickness of Plating abreast Deck openings in way of ~~Bridge~~ poop ✓		6 ✓		
Thickness of Plating within line of openings...		6 ✓		
If Sheathed, material and thickness no ✓.....	In crews spaces at poop, cement & tiles ✓			
Second Deck. Stringer Plate, breadth and thickness in Wells...		/		

	m/m Inches IN SHIP.			Any Departure from Approved Plans to be Noted.
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	1000	x 6		✓
Plating, Sheathing, material and thickness ...	5.5	wood sheathed pine 50 thick		
Bridge Deck. Stringer Plate, breadth and thickness.....		/		
Plating, Sheathing, material and thickness ...		/		
Forecastle Deck. Stringer Plate, breadth and thickness.....	1250	x 7		✓
Plating, Sheathing, material and thickness ...	5 & 12	under Windl (unsheathe		✓

SHELL PLATING.

SCANTLINGS.

STRAKES.	AS IN VESSEL. AMIDSHIPS. Breadth.	AMIDSHIPS. Thickness.	FORWARD. Thickness.	AFT. Thickness.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.
	millimetres				
FLAT PLATE KEEL	1420 ✓	10 ✓	9 ✓	9 ✓	
„ DBLG. (if any)	/	/	/	/	
BOTTOM PLATING, No. of Strakes two ✓....	1420 ✓	7.5 ✓	7.5 ✓	7.5 ✓	
BILGE PLATING, No. of Strakes ...one ✓.....	1530 ✓	7.5 ✓	6.5 ✓	6.5 ✓	
SIDE PLATING, No. of Strakes ...one ✓.....	1550 ✓	7.5 ✓	6.5 ✓	6.5 ✓	
UPPER DECK, Sheer-strake in Wells.....	1350 ✓	9.5 ✓	8 ✓	8 ✓	
UPPER DECK, Sheer-strake in Bridge poop	1360 ✓	14 ✓	/	/	
STRAKE BELOW Sheer-strake in Wells.....	/	/	/	/	
STRAKE BELOW Sheer-strake in Bridge ...	/	/	/	/	
POOP SIDE PLATING	1350 ✓ 860 ✓	5.5 ✓			
BRIDGE SIDE PLATING ...	/	/	/	/	
FOREC'TLE SIDE PLATING	1300 ✓ 1280 ✓	5.5 ✓			

RIVETING.

EDGES. State if joggled?	SINGLE OR DOUBLE.	RIVETS. Diam.	RIVETS. Spacing cr. to cr.	BUTTS. No. of Rows of Rivets.	RIVETS. Diam.	RIVETS. Spacing cr. to cr.	STRAPPED LAPPED
		millimetres			millimetres		
✓	Double ✓	16 ✓	4 Ø	three ✓	19 ✓	3.5 Ø ✓	str
		/	/		/	/	
	Single ✓	16 ✓	4 Ø ✓	double ✓	16 ✓	3.5 Ø ✓	lap
	„	16 ✓	4 Ø ✓	„ ✓	16 ✓	3.5 Ø ✓	„
	„	16 ✓	4 Ø ✓	„ ✓	16 ✓	3.5 Ø ✓	„
	„	16 ✓	4 Ø ✓	„ ✓	16 ✓	3.5 Ø ✓	„
	„	16 ✓	4 Ø ✓	three ✓	16 ✓	3.5 Ø ✓	„
		/	/	approved Ed shell exps...	/	/	
		/	/		/	/	
	„	16 ✓	4 Ø ✓	Single ✓	16 ✓	4 Ø ✓	
		/	/		/	/	
	„	16 ✓	4 Ø ✓	h	16 ✓	4 Ø ✓	„

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 *c*) three ✓

„ Deck next below /

As per Rule or approved plan. three

STIFFENERS.

	Plating Thickness.	VERTICAL. Scantlings.	VERTICAL. Spacing.	HORIZONTAL. Scantlings.	HORIZONTAL. Spacing.
MIDSHIP BULKH'D, Upper tween decks					
„ „ Second „					
„ „ Third „					
„ „ Holds	6 & 7 ✓	150.75.10 ✓	apart	760 ✓	
COLLISION „ (in Hold)	6 & 7 ✓	150.75.10 ✓ 90.75.9	„	380 ✓	
AFTER PEAK „ „	6 & 7 ✓	110.70.8 ✓	„	760 ✓	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings. m/m	Maker's Name.	Any departure from approved plans to be noted
KEEL, Bar flat keel	plate	/	/	
STEM steel bar	120 x 25		A.H.V.Sa	
STERN FRAME Propeller Post	cast	124 x 98	SAESA.Bc	
STERN FRAME Rudder „	steel	130 x 70		
RUDDER—A×D..... =	3.31 m2	x 0.44 = 1.46		
Speed of Vessel.....	9.02 knots			
RUDDER mainpiece at head ...	forged	120 Ø	U.N.L.Val.	
„ „ heel ...	„	120 Ø 125 Ø	„	„
rudder stock „ how constructed	built	steel rudder		
„ double or single plate	single			
„ coupling, vertic horizontal...				

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of man

Fábricas de Bilbao and Sagunto - Siemens Martin Process

Has the Steel been tested as required by the Rules? See letter 23.10.41 from Sec.e

approved. See end. 19.6.45 with "VIRGEN DE LA LUZ"

EQUIPMENT No 513 ✓ LETTER f ✓.

ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Required by Table 53. Cwts.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
56	1st Bower ...	372 kgs ✓			✓			9700 kgs ✓				460 kgs ✓	Cast steel head	Talleres	Ochandiano
59	2nd „ ...	376 „			✓			9720 „				460 „ ✓	forged steel	de Deusto	26-6-42
	3rd „ ...												shank	SA Bilbao	A.E.S. ✓
	Collective weight.	748 kgs					✓					915 kgs			
60	Stream	108.5 kg			27.5 kgs			5340 „				150 „ ✓	C.S.anchor forged steel stock	do.	Ochandiano 9-6-42 A.E.S. ✓
62	Kedge	61 „	20	„				4280 „							

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. Fathoms.	Diam. mm.	Test per Certificate. Statutory. Tons.	Breaking. Tons.	Weight of Chain Cable. Supplied. Cwts. qrs. lbs.	Per Rule. Cwts.	Length and Size per Table 53. Length. Fathoms.	Diam. mm.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
4/M	300 ✓	25 ✓	177	20 ✓							
			32000 ✓		4410 ✓	4110 ✓	300 ✓	25 ✓	Stud link	Hijos de Vicinay Ochandiano	Ochandiano 12-9-42 by B.V.Surveyor J.R.
		Cir.						Cir.			
on Stream Chain or Steel Wire	85 ✓	64 ✓	24780 ✓				85 ✓	64 ✓			

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length. Fathoms.	Cir. mm.	Breaking Test of Steel Wire. Tons.	Length and Size per Table 53. Length. Fathoms.	Cir. mm.
TOWLINE...	135 ✓	72 ✓	24780 ✓	135 ✓	64 ✓
HAWSERS & WARPS	165 ✓	140 ✓	rop ✓	165 ✓	140 ✓
„	150 ✓	121 ✓	„ ✓		
„	175 ✓	121 ✓	„ ✓		

r, Steam ordinary geared hand winch ✓ **Steering Gear, Hand** fitted relieving tackles ✓

d:4'5x1'6x0'7 mts **Steering Chains,** Size and Test 19 m/m.S.682d-B.15400 kg ✓ **Windlass** driven by oil engine ✓ Giral - Barcelona

olds, thickness and material 50 m/m pine ✓ **Cargo Battens,** thickness, material and spacing 50 mm pine Ap.340 m/m ✓

ways.—(Upper Deck) two ✓ **Thickness of Hatches** 65 m/m ✓

Hatchway (Forward) 9'07x5 mts ✓ **No. 2** 9'07x5 mts ✓ **No. 3** / **No. 4** / **No. 5** / **No. 6** /

ifting Beams and/or **Fore** and **Afters** 7 shifting beams ✓

UNION NAVAL DE LEVANTE, S. A.
Factoría de Valencia
P.P.

Builder's Signature

UNION NAVAL DE LEVANTE S.A. VALENCIA TALLERES

DECLARATION. *It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel* yes ✓ *(b) whether the vessel, not being 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.*

oil is carried in the engine room deep tanks. Fore peak is arranged to use as ballast or oil tank. ✓

ship has been built in conformity with the Society's Rules and Regulations and the Secretary rs. The scantlings and arrangements are in accordance with or equivalent to those shown on approved plans. Materials and workmanship are good. ✓

fuel deep tanks and fore and after peak tanks have been tested in accordance with Rules irements and found satisfactory. ✓

her deck and watertight bulkheads have been satisfactorily hose tested. ✓

lass and steering hand winch tested under working condition and found satisfactory. ✓

eme length 43.90 metres. ✓

board assigned by Spanish Authorities has been verified and found according with Certificate. ✓

The amount of Entry Fee ... Ptas. 360.-
Special Survey Fee.... £ 5760.-
Travelling Expenses, if any £ 1665.-

Fees applied for, 19
Received by me, 19

I am of opinion the Vessel should be Classed +100A1 for coasting service.

State whether the Vessel has been built under Special Survey

Certificate to be sent to Bcn Date of issue 28/5/46

Signature Surveyor to ~~Lloyd's~~ Register of Shipping.

FRI. 31 MAY 1946

Committee's Minute

Character assigned +100 A1 ✓ 1.46 Bcn.

Subject "Coasting Service North and North West africa, including Canary Islands, also from Cadiz to Marseilles

Mchy aft.

L.M.C. 1.44
E made 31 refitted 1.44
C.L. Oil Eng.

Write Bcn (Rem/plan)

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.*)

Copies of all approved plans already retained in London Office.
Plans of midship section, profile and shell expansion are forwarded herewith.
Forging and casting certificates are enclosed.
Vessel is sister of "VIRGEN DEL PILAR" Union Naval de Levante Yard Nº 41.
Also Union Naval de Levante Yard Nos. 38 and 39 are sister ships.

Particulars of **Drop Test** of Cast Steel Anchors, viz.:—Weight, Surveyor's Initials, Number of Certificate, Date of Test.					
	1st Bower	228 kgs	F.de B	1240	22-5-1942
	2nd "	233 "	F.de B	1243	22-5-1942
	stream 3rd "	98 "	F.de B	1244	22-5-1942
	kedge	55 "	F.de B	1246	22-5-1942

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 10.65 ft., m. R.Q.D. --- ft., Bridge --- ft., Forecastle 7 m. f
(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*) 1 steel deck

Official No. ; Signal Letters Is bottom of Vessel coated with cement yes if not giv
particulars of composition /

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. mts	Water Capa mts cu
Double bottom, aft,			Fore peak tank,	4.20	40
Double bottom, under Engines and Boilers,			After peak tank,	1.70	15.
Double bottom, if under Engines only,			Deep tank, aft, in the eng.room o/F. Bunker	4.00	26
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom		(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 6th January 1942

Dates of Surveys held while building: 1942.-Ap.29 May 19 July 14,31 Aug.5 Sept.11,12 Oct,19, Nov.4,28 Dec.28
1943.- Jan.14,25 Feb.6,24 March 9,17 Ap.6,20 June 19,22 July 15,27,28, 29,31 Aug.10
1944.- Jan.4

Total No. of Visits 28