

STEEL STEAMER OF MOTORSHIP

20 JUL 1942

Received at London Office

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

State if Report is sent on the Machinery of the Vessel..... Yes

Date of completion of report

15th June, 1942

Port of Baltimore, Maryland

No. 7699

Survey held at

Baltimore, Maryland

Date First Survey 9th Sept. 1941

Last Survey 9th May 1942

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Steel Single Screw Steamer "COLINA"

Machinery Aft

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Full Scantling

State Type of Erections

P.B. & F.

Sparrows Point, Md.

TONNAGE under Tonnage Deck...)

8947

CLASS * 100 A1

Carrying petroleum in bulk condition of Class

No

Built at

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

Total

Gross Tonnage

9930

Register Tonnage

5907

REGISTERED DIMENSIONS.

FEET.

Length

488.3

Breadth

68.3

Depth

36.9

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

L 488.42

Breadth (greatest moulded)

B 68.00

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

D 57.00

1st Longitudinal Number (L x D)

18072

2nd Numeral L x (B + D)

51284

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

13.2

Draught Moulded

Launched 24th Jany. 1942 Yard No. 4358

Builders Bethlehem Sparrows Point Shipyard Inc.

Owners Socony-Vacuum Oil Co. Inc.

Managers

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

Residence 26 Broadway, New York, N. Y.

Port of Registry New York.

If surveyed while building, afloat, or in dry dock

While Building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES 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 ^{tl} See Rpt. 1*		Bracket Floors, Frame	-	
" " In Fore Hold from 1/2 length amidships to Collision bulkhead	27		" " Reversed Frame	-	
" " in peaks	24		" " Vertical Struts	-	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	54 .56	
Frame Amidships, Angle, [or [	See Rpt. 1*		" " top angles None - Welded to bottom angles		
" " Extends up to	-		" " Keel and Tank Top		3 in. criss cross plan
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness	46	
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	-	
Depth of Framing Girder	-		" " Vertical Angle to Tank side	-	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [	-		" " Bracket abaft 1/2 len. from stem	-	
" " Second 'tween Decks, Angle, [or [	-		" " Vertical Angle to Tank side	-	
" " Third " " " "	-		" " Bracket from forward 1/2 len. from stem to Panting Area	-	
" " from 1/2 len. for'd. to 15% len. from Stem	-		" " Gussets, spacing and scantling abaft 1/2 len. from stem	-	
" " in Peaks, Angle or [Inverted	8 4 .50		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	-	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	Welded		Tank Side Brackets, height above base line at toe of Frame and thickness	-	
State if Frame Joggled	No		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes		Breadth and thickness of Middle Line Strake	.56	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes		Thickness of remainder in Holds	.56	
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 regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	-	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	-		Uppermost Continuous Deck, amidships in Wells, Angle, [or [	See Rpt. 1*	
Height of Brackets at side above base line at toe of frame	-		" " in way of Bridge, Angle, [or [-	
Middle Line Keelson, on Floors, Angles, [or [	-		Spacing	-	
" " Through Plate or Intercoastal Plate	-		Second Deck, amidships, Angle, [or [-	
" " Foundation Plate on Floors	-		Spacing	-	
" " Flat Plate Keel Angles	-		Third Deck, amidships, Angle, [or [-	
Side Keelsons, No. each side	-		Spacing	-	
" " thickness of Intercoastal Plate	-		Fourth Deck, amidships, Angle, [or [-	
" " Angles	-		Spacing	-	
DOUBLE BOTTOM. IN MACHY. SPACE			Poop Deck, Angle, [or [Inverted	5 31/2 .38	
Solid Floors, thickness and spacing	.46 28 1/2		Spacing	24 & 28-1/2	
" " Are Frame and Reversed Frame joggled?	None - Welded to Shell and Tank Top		Bridge Deck, Angle, [or [	Long ^{tl}	
Bracket Floors, breadth and thickness at middle line	-		Spacing	-	
" " breadth and thickness at margin plate	-		Forecastle Deck, Angle, [or [Inverted Longitudinal	-	
			Spacing	-	

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.
PILLARS, No. of Rows	-	-	-		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 " "	-	-	-		Thickness of Plating within line of openings...	-	-	-	
2" Longitudinal " " Plating fluted horizontally to Center Line Bulkheads form stiffeners ✓					If Sheathed, material and thickness	-	-	-	
Stiffeners and Spacing.....	.50	.44	.44	.44	Third Deck.	-	-	-	
Plating, thickness of .....	.48	.58			Stringer Plate, breadth and thickness.....	-	-	-	
STRINGERS AND DECKS.					If Plated, state thickness.....	-	-	-	
Uppermost Continuous Deck.					Fourth Deck.	-	-	-	
Stringer Plate, breadth and thickness in Wells	87	1.08			Stringer Plate, breadth and thickness.....	-	-	-	
" " " " in way of Bridge - - -					If Plated, state thickness	-	-	-	
Stringer plate veed and Angled welded to sheer strake ✓					Poop Deck.				
Thickness of Plating abreast Deck openings in way of Wells.....	.90				Stringer Plate, breadth and thickness	43	.44	.38	
Thickness of Plating abreast Deck openings in way of Bridge Hatch Strakes.....	.60				Plating, Sheathing, material and thickness ...	.30	No Sheathing		
Thickness of Plating within line of openings...	-				Bridge Deck.				
If Sheathed, material and thickness	-				Stringer Plate, breadth and thickness.....	43	.44		
Second Deck.					Plating, Sheathing, material and thickness ...	.36	No Sheathing		
Stringer Plate, breadth and thickness in Wells...	-				Forecastle Deck.				
					Stringer Plate, breadth and thickness.....	36	.38		
					Plating, Sheathing, material and thickness ...	.36	No Sheathing		

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	52 ✓	.86 ✓	.86 ✓	.90 ✓		Flush Welded Edges ✓			Flush Welded Butts ✓				
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-		
BOTTOM PLATING, No. of Strakes	4 ✓	.76 ✓	.58 ✓	.72 ✓		Flush Welded Edges ✓			Flush Welded Butts ✓				
BILGE PLATING, No. of Strakes	1 ✓	.75 ✓	.65 ✓	.72 ✓		Lower edge welded ✓			" " "				
SIDE PLATING, No. of Strakes	3 ✓	.65 ✓	.58 ✓	.72 ✓		Upper Edge rivetted ✓			" " "				
						Double & 1 3-3/4 ✓			" " "				
						3 seams treble 7/8 3-1/2 ✓			" " "				
UPPER DECK, Sheer- strake in Wells.....	72 ✓	.98 ✓	.50 ✓	.50 ✓		Double ✓	1	3-3/4	" " "				
UPPER DECK, Sheer- strake in Bridge ...	72 ✓	.98 ✓	-	-		Double ✓	1	3-3/4	" " "				
STRAKE BELOW Sheer- strake in Wells.....	68 ✓	.83 ✓	.50 ✓	.50 ✓		Treble ✓	7/8	3-1/2	" " "				
STRAKE BELOW Sheer- strake in Bridge ...	68 ✓	.83 ✓	-	-		Treble ✓	7/8	3-1/2	" " "				
POOP SIDE PLATING	-	-	-	.41 ✓	see plan	Single ✓	3/4	3-3/8	" " "				
BRIDGE SIDE PLATING ...	-	.58 & .46 ✓	-	-		Flush Welded edges ✓			" " "				
FOREC'TLE SIDE PLATING	-	-	.44 ✓	-		Single ✓	3/4	3-3/8	" " "				

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	13 ✓
" Deck next below	—
As per Rule	—

FORGINGS and CASTINGS.

	Casting or Forging.	Scanlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	-	-		
STEM	Bar 11 x 2-7/8			
STERN FRAME {	Propeller Post	C.S. as per approved plan	Bethlehem Steel Co.	
	Rudder			
Speed of Vessel	16-1/2			See letter 14. H. 42 with "CORSIANA"
RUDDER—Type	Semi-balanced stream lined			
" A x D	-			
" Diam. of head	14			
" Mainpiece at top pintle	Cast steel rudder			
" " heel ...	frame, with double			
" how constructed	side plates welded			
" double or single plate	to frame			
" coupling, vertical or	Horizontal			
" horizontal				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
Plates - Bethlehem Steel Corp., Sparrows Point, Md.
Sections - Bethlehem Steel Corp., Bethlehem, Pa.
Has the Steel been tested as required by the Rules? Yes

Basic open hearth

Lloyd's Register
Foundation

EQUIPMENT No.				LETTER <i>f</i>		ANCHORS.			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK	WEIGHT OF STOCK	TEST, PER CERTIFICATE	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
13373	1st Bower ...	11094		150640	11088	Powell Stockless Atlantic	Atlantic	Phila. 9/10/40 H.B. Cording	
13374	2nd " ...	10050		141680	10080	Powell Stockless Steel	Steel	Phila. 9/10/40 H.B. Cording	
13384	3rd " ...	8791		130270	8680	Powell Stockless Castings	Castings	Phila. 11/10/40 J.V.C. Malcolmson	
	Collective weight.	29935			29848				
13385	Stream	3780		70784	3710	Powell Stockless Co.	Co.	Phila. 11/10/40 J.V.C. Malcolmson	

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.		Length.	Diam.	Length.	Diam.
	Fathoms.	Ins.		Supplied.	Per Rule.						Fathoms.	Ins.		Fathoms.	Ins.				
1425	300	2-9/16	368340	115681	110800	300	2-9/16	C.S. National Stud & Steel Link Castings Co.	Cleveland, O. 6th Nov. 1940 G. Drummond	TOWLINE	130	5-1/2	164000	130	5-1/2				
			515670		Ordinary Rule 300 x 2 1/16					HAWSERS & WARPS	2 @ 100	8"	Manila	2 @ 100	8"				
											2 @ 100	8"	Manila	2 @ 100	8"				
Iron Stream Chain or Steel Wire	120	5-1/8	148000			120	5 6/24	Bethlehem Steel, Williamsport, Pa.											

Steering Gear, Type (Power or hand) Hydro Electric American Engineering Co. Alternative Means of Steering Hand wheel on Poop House top to Aux. rams on steering Gear.

Steering Chains (Size and Test) - Windlass Steam Boats Steel - 22' x 6.8' x 2.85'

Ceiling in Holds, thickness and material - Cargo Battens, thickness, material and spacing -

Cargo Hatchways.-(Upper Deck) To forward. Dry Hold 15' x 11' Thickness of Hatches Hinged Steel W. T. Covers

Size of Hatchways No. 1 (Exd.) No. 2 No. 3 No. 4 No. 5 No. 6

Oil Tight Hatches 7' x 4' Oval

Builder's Signature *J. A. Dodge*
BETHLEHEM-SPARROW POINT SHIPYARD, INC.
SPARROWS POINT, MD.

GENERAL 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
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built according to the approved plans, Secretary's letter and the Rules of this Society.

The materials and workmanship are to my satisfaction.

The vessel is intended to carry petroleum in bulk, the oil tanks, oil fuel tanks, cofferdams, peak tanks, and double bottom tanks have been tested according to the Rules and found satisfactory.

The windlass and steering gear have been tried and found satisfactory.

The amount of Entry Fee	£ 55.00	Fees applied for,	(Special notations, where part of class, to be stated.)
Special Survey Fee....	£ 3362.00	June 2, 1942	
Late Fee	10.00	Received by me,	
Travelling Expenses, if any £	75.75	19..	

I am of opinion the Vessel should be Classed * 100 A1 Carrying petroleum in bulk

State whether the Vessel has been built under Special Survey Yes Signature *J. Buchanan*
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to New York Office Date of issue 17/8/42

Committee's Minute NEW YORK JUL 1 1942

Character assigned + 100 A1
carrying Petroleum in bulk.
fitted for oil fuel 5, 4.2 F.P. above 1500 F.
+ LMC - 5, 4.2.

NOTE - LONG FRAMING.
PART. ELEC. WELDED.
MACHY AFT. CRUISER STERN.
A + C.P.
2 WTB (cht) 490 lbs.
CL - Elec. light.

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The Surveyor are requested not to write on or before the Committee's Minutes.

PARTICULARS OF LONGITUDINAL FRAMING. S.S. "COLINA"

FRAMING.	AMIDSHIPS.			ENDS. Only			AMIDSHIPS.			ENDS. Only			Connection of Frames to Shell		RIVETING.		Round Bars Continuous Through	
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Bulkheads.	
	Ins.	Ins.	lbs.	Ins.	Ins.	lbs.	Ins.	Ins.	lbs.	Ins.	Ins.	Ins.	Diam.	Speng.	Inches.		Number.	Diameter.
Framing of L, L or C	7x4x15.8						7x4x15.8											
Frames in Bridge 'tween Decks ...	7x4x18.8						7x4x18.8											
Frames from Uppermost Continuous Deck	7x4x15.8						7x4x15.8											
No. 1	10	3-1/2	22.4				10	3-1/2	22.4								32"	3"
" 2	10	3-1/2	22.4				10	3-1/2	22.4								32"	3"
" 3	10	3-1/2	24.8				10	3-1/2	24.8								32"	3"
Inverted Angle	9	4	21.3				9	4	21.3								32"	3"
"	9	4	22.9				9	4	22.9								32"	3"
"	12	3-1/2	24.5				12	3-1/2	24.5								32"	3"
"	12	3-1/2	24.5				12	3-1/2	24.5								32"	3"
"	12	3-1/2	26.5				12	3-1/2	26.5								32"	3"
"	15	3-3/8	27.5				15	3-3/8	27.5								32"	3"
"	15	3-3/8	27.5				15	3-3/8	27.5								32"	3"
"	15	3-3/8	27.5				15	3-3/8	27.5								32"	3"
"	15	3-3/8	33.6				15	3-3/8	33.6								32"	3"
"	15	3-3/8	33.6				15	3-3/8	33.6								32"	3"
"	18	4	38.3				18	4	38.3								36"	3"
"	18	4	44.4				18	4	44.4								36"	3"
"	18	4	44.4				18	4	44.4								36"	3"
26 "	30						30											
Spacing of Longitudinal Frames																		
Amidships																		
At Ends																		
Double Bottoms																		
Tank Top Longitudinals																		
Bottom																		
Spacing of Longitudinals																		
Amidships																		
At Ends																		
Transverses.																		
In Bridge	21		.38				21		.38									
'tween Decks	4		.44				4		.44									
Face																		
Lugs to Shell*																		
AT SHELL	33		.50				33		.50									
In	5		.50				5		.50									
Upper 'tween Decks																		
SIDE TANKS																		
AT BOTTOM	56		.50				56		.50									
IN	6		.50				6		.50									
Face																		
Lugs to Shell*																		
BACK BARS																		
BRACKETS																		
Spacing of Transverse Frames	12'2"	12'2"	12'2"				12'2"	12'2"	12'2"									
* State if joggled or liners.																		
Longitudinal Beams of L, L or C	5	3	.38				5	3	.38									
Bridge Deck	9	3-1/2	.50				9	3-1/2	.50									
Upper Cr, SIDE	9	3-1/2	.50				9	3-1/2	.50									
Second																		
Third																		

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., 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, etc., on the first page.

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.)

Sister Vessels:— Baltimore Report Nos. 7540, 7585, 7623 and 7654 for S/S "CORNICANA", "CADDU", "CALUSA" and "CATAWBA" respectively

Plans as built— General arrangement

Scantling Plan

Capacity Plan

Typical Midship transverse

O. T. transverse bulkhead

O.T. Centre Line bulkhead

Approved plans

Shell expansion (aft)

Second deck plating

Shell expansion (forward)

Upper deck plating aft, midships, forward

Transverse O. T. Bulkhead

Rudder stock

Vertical Keel and deck girder

Poop and Bridge Bulkheads

Transverse (midship)

After peak and stern framing

Longitudinal O. T. Bulkhead

Inner bottom plating

Riveting and welding details

Main engine foundation

Stern frame

Poop deck plating

Rudder

Scantling plan

Stem

After peak bulkhead

Bow framing, Sheet 1 and 2

Forecastle Deck plating

Forepeak bulkhead

Bridge Deck plating

Approved plans being retained for sister vessel, Yard No. 4359

Interim classification certificate

Casting certificate on rudder frame, rudder stock and stern frame

This vessel is also being classed with the American Bureau of Shipping

PARTICULARS OF ELECTRIC WELDING (if employed)

Lincoln Fleetweld approved rods used.

All bottom shell seams and butts flush welded

All side shell and deck plating butts flush welded (seams riveted)

All internal connections throughout welded.

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

Carrying petroleum in bulk

Cruiser stern, Machinery aft, Lloyd's A & C.P. Fitted for oil fuel, Longitudinal framing

Butts and seams of bottom shell plating and butts of side shell plating and deck plating electrically welded.

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

1st Bower	Head	7721 lbs. - H.B.C.,	13373,	9th Oct. 1940
2nd "	Head	6879 lbs. - H.B.C.,	13374,	9th Oct. 1940
3rd "	Head	6215 lbs. - J.V.C.M.,	13384	11th Oct. 1940

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 106 ft., R.Q.D. - ft., Bridge 34 ft., Forecastle 49.5 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 241404 Signal Letters K B P Z Extreme Breadth over Belting - Over-all Length 501.38

No. and Material of Decks One deck - Steel

Parts of Bottom of Vessel coated with cement or approved composition F & A peaks - cement on bottom, bitumastic on sides

In Double bottom - bitumastic enamel

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.)

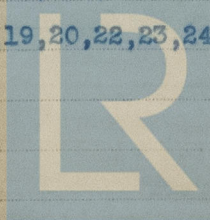
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	-	-	Fore peak tank,	-	297
Double bottom, under Engines and Boilers,	-	-	After peak tank,	-	79
Double bottom, if under Engines only, F.W.	78.4	156	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	36	893
Double bottom, forward,	-	-	Other tanks, if fitted,	-	-
Total length (if continuous) and Capacity	-	-	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 40-1

Date 8th Jan. 1940

Dates of Surveys held while building

1941 Sept. 9, 12, 23; Oct. 8, 27, 31; Nov. 11, 24, 29; Dec. 14, 15, 18, 23, 26, 27, 30, 31
1942 Jan. 2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 17, 19, 20, 22, 23, 24; Feb. 6, 18; Mar. 6, 14, 27, 28
Apr. 15, May 9.



Lloyd's Register Foundation

Total No. of Visits 42