

STEEL STEAMER or MOTORSHIP.

[3 SEP 1927

Received at London Office

3 SEP. 1927

State if Report has been sent on the Freeboard of the Vessel

Yes

State if Report is sent on the Machinery of the Vessel

No (from W.P.)

Date of completion of report

1st Sept 1927

Port of

Newcastle-on-Tyne

No. 81746

Survey held at

Jarrow-on-Tyne

Date First Survey

22nd Feb 1927

Last Survey

29th Aug.

1927

On the

(State if Machinery fitted with (if Single, Twin or Triple Screw)

Steel Twin Screw Steamer "MONAGAS"

Mch. aft

State Type

(Full Scantling Complete Superstructure with or without Tonnage Openings)

Full scantling oil carrier

State Type of Erections

Prop. bridge, forecastle & trunk

TONNAGE under Tonnage Deck

1890.13

CLASS

+100A1. Cananda petroleum in bulk.

State if with freeboard as condition of Class

without

Built at

Jarrow-on-Tyne

Launched

15th July 1927

Yard No. 974

Builders

Palmer SB & Co Ltd

Owners

Palmer SB & Co Ltd Provisional for voyage but final Venezuelan Gulf oil Co

Managers

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

Residence

Newcastle - Provisional

Port of Registry

will be MARACAIBO

If surveyed while building, afloat, or in dry dock

Building and afloat.

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

Total

1890.13

Gross Tonnage

2649.78

Register Tonnage

1513.70

REGISTERED DIMENSIONS.

FEET.

Length

305.2

Breadth

50.2

Depth

16.3

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

L 305.0

Breadth (greatest moulded)

B 50.0

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

D 16.5

1st Longitudinal Number (L x D)

= 5032

2nd Numeral L x (B + D)

= 20282

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

18.5

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

Do. Long Bridge to top of keel

Draught Moulded Summer line 14' 6" less 1 1/4" = 14' 4 1/4"

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	Longitudinal	see separate sheet	Bracket Floors, Frame		
" " from 1/2 length to Collision bulkhead			" " Reversed Frame		
" " in peaks	24"		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	BR 38 1/2 x 52	
Frame Amidships, Angle, [or]			ER 38 1/2 x 36		
" " Extends up to			" " top Angles	3 x 3 x 50	BR.
Reversed Frame Amidships, Angle			" " bottom Angles	3 x 3 x 40	ER
" " Extends up to			Side Girders, No. each side and thickness	2 in ER 32	
Depth of Framing Girder			BR Margin Plate depth (excl. of flange) and thickness	16" x 48	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	5 5 38	on transverse
" " Second 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem		
" " Third " " " "			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
Framing in Peaks, Angle	6' 3" x 34		" " Gussets, spacing and scantling forward 1/2 len. from stem		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	see longitudinal framing		Tank Side Brackets, height above base line at toe of Frame and thickness	see plan.	
State if Frame Joggled	yes.		INNER BOTTOM PLATING.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	as per app'd plan.		Breadth and thickness of Middle Line Strake	BR 48	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	close longitudinal double shell connections midship thickness bottom plating		ER 40		
SINGLE BOTTOM.			Thickness of remainder in Holds	57 1/2	
Floors, Depth and thickness at mid-line 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?	yes as app'd.	
Height of Brackets at side above base line at toe of frame			BEAMS.		
Middle Line Keelson, on Floors, Angles, [or]			Uppermost Continuous Deck, amidships in Wells, Angle, [or]		
" " Through Plate or Intercostal Plate			" " in way of Bridge, Angle, [or]		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, [or]		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Third Deck, amidships, Angle, [or]		
" " Angles			Spacing		
DOUBLE BOTTOM. Mch. space			Fourth Deck, amidships, Angle, [or]		
Solid Floors, thickness and spacing	BR 46	spacing 3'-9"	Spacing		
" " Are Frame and Reversed Frame joggled?	ER 34	2'-6"	Poop Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line	yes.		Spacing		
" " breadth and thickness at margin plate			Bridge Deck, Angle, [or]		
			Spacing		
			Forecastle Deck, Angle, [or]		
			Spacing		

FRAMES DOUBLE BOTTOM AND BEAMS.

T. S. MONAGAS

Nwc Report NO. 81746

PARTICULARS OF LONGITUDINAL FRAMING.

SCHEDULES IN

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.			
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Spacing.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Number.	Diameter.
A, L or K																
Bridge 'tween Decks ...	6	3	.32	NO TANK			✓									
Uppermost Continuous No. 1	9	3	.42	8½	3	.40	✓					¾ 4½			8	7/8
" 2	10	3½	.44	9	3	.44	✓					" "			9	7/8
" 3	10	3½	.44	9	3	.44	✓					" "			10	7/8
" 4	11	3½	.44	10	3½	.44	✓					" "	3 3/8 for 12 rivets	✓	11	7/8
" 5	11	3½	.44	10	3½	.44	✓					" "	" " "		11	7/8
channel 6	12 x 37 5/8 x 3 1/2 x 50			same as midships			as built					" "	" " "	✓	16	7/8
" 7																
9 Bottom Longitudinals 8	15 x 41 x 4 x 62			at fore end beyond oil space			✓					" "	2 5/8 " " "		17	7/8
" 9				9	3	.40	✓						close rivets as above for 14 rivets in 28' tanks			
" 10																
" 11																
" 12																
" 13																
" 14																
" 15																
" 16																
Amidships	2'-6"							2'-6"				1'-9"				
At Ends	1'-9" at collision end						✓									
for room Tank Top Longitudinals	6	3	.40													
Bottom "	6	3	.40					as built								
Longitudinals { Amidships	2'-6"															
{ At Ends...																
Transverses.													Rivets in Lugs to Shell Diam. Spacing.			
Depth and Thickness	12 x 34															
Face Angles	3 1/2 flange															
Lugs to Shell*																
Depth and Thickness																
Face Angles	-															
Lugs to Shell*																
Depth and Thickness	24	38														
Face Angles	3 1/2 3 1/2	.40														
Lugs to Shell*	5	5	.40										¾ 3 3/8			
Brackets top.		36											2 rows.			
bottom.		40														
Transverse Frames																
Joggled or liners. joggled																
Bridge Deck ...	angle 5	3	.30									Spacing.			In Ships.	As approved.
Awg. or Shltr. Dk.												3'-0"			Plate. Angles.	Plate. Angles.
Upper "	9	3	.40									2'-6"	Transverse		10 x 34 3 x 3 x 34	as built
Second "													Beams.		20 x 36 6 x 3 x 50	
Third "																

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.

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...	✓	
„ „ „ „ „			If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of			If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells			If Plated, state thickness	✓	
„ „ „ „ in way of Bridge			Poop Deck.		
„ Angle in Wells			Stringer Plate, breadth and thickness	25	32
Thickness of Plating abreast Deck openings in way of Wells			Plating, Sheathing, material and thickness ...	30	in accommodation sheathed with composition
Thickness of Plating abreast Deck openings in way of Bridge			Bridge Deck.		
Thickness of Plating within line of openings...			Stringer Plate, breadth and thickness.....	36	36
If Sheathed, material and thickness			Plating, Sheathing, material and thickness ...	30	no sheathing
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...			Stringer Plate, breadth and thickness.....	30	no sheathing
			Plating, Sheathing, material and thickness ...	30	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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	43 1/2	.68	.53	.53	x	double	7/8	3 1/2	4 for 1/2 L	7/8	3 1/2	lapped
„ DELG. (if any)	-	-	-	-								
BOTTOM PLATING, No. of Strakes 4	62 for 1/2 L	47 at 1/2 L	47	44	own addition See section in hull + other notes	"	7/8 + 3/4	3 1/2 + 2 5/8	3	7/8 + 3/4	3 1/2 + 2 5/8	"
BILGE PLATING, No. of Strakes 1		.47	.41	.39	x	"	3/4	2 5/8	3	3/4	2 5/8	"
SIDE PLATING, No. of Strakes 1		.45	.39	.39	x	"	3/4	2 5/8	3	3/4	2 5/8	"
UPPER DECK, Sheer- strake in Wells.....		.45	.39	.39	x	-	-	-	3	3/4	2 5/8	"
UPPER DECK, Sheer- strake in Bridge end		.54			x	-	-	-				
STRAKE BELOW Sheer- strake in Wells.....		.45	.39	.39	x	double	3/4	2 5/8	3	3/4	2 5/8	"
STRAKE BELOW Sheer- strake in Bridge ...												
POOP SIDE PLATING34	x	single	5/8	2 1/2	1	5/8	2 1/4	"
BRIDGE SIDE PLATING36				no seam			2	3/4	2 5/8	"
FOREC'TLE SIDE PLATING			.36			single	3/4	3	1	3/4	2 5/8	"

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.	
Extending to Upper Deck (Sec. 3 c) <i>eleven.</i>								
,, Deck next below <i>✓</i>								
As per Rule <i>appd. as above.</i>								
		Plating Thickness.	STIFFENERS.				STERN FRAME { Propeller <i>BA15</i> Rudder „	<i>Flat plate</i> <i>Rolled 7½ x 2</i> <i>Cast as plan.</i> <i>Forging 7½ x 3½ Clelands</i>
			VERTICAL.		HORIZONTAL.			
Scantlings.	Spacing.		Scantlings.	Spacing.				
MIDSHIP BULKHEAD, Upper tween decks	<i>Trunk</i> <i>30</i>			<i>BA</i> <i>6½ x 3 x 34</i> <i>and not like 1-6"</i>			RUDDER—A x D..... <i>360</i>	<i>Forging</i> x
„ „ Second „							Speed of Vessel.....	<i>9¼</i> x
„ „ Third „				<i>BA.</i>			RUDDER mainpiece at head ..	<i>Forging 10'8</i> x <i>Clelands</i>
„ „ Holds	<i>web 29 x 36</i> <i>each side</i> <i>44-34 + CL 8KA</i>			<i>9½ x 3 x 46</i> <i>16</i> <i>8 x 3 x 40 2'-6"</i>			„ „ heel ..	
COLLISION „ (in Hold)	<i>BA</i> <i>36-32 8 x 3 x 46 2'-3"</i>			<i>chain locker</i>			„ how constructed	<i>arms shrunk and keyed.</i>
AFTER PEAK „ „	<i>BA</i> <i>36-31 9 x 3 x 37.5 2'-1½</i>			<i>flat.</i>			„ double or single plate	<i>single 1'07"</i> x
							„ coupling, vertical or horizontal	<i>horizontal</i>

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Pease & Partners
Bolckow Vaughan, Dorman Long, Consett.

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

open hearth process.

Lloyd's Register
Foundation

EQUIPMENT No. 21862										LETTER	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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
29971	1st Bower ...	42	1	0	-	-	-	37	6	1	0	42 - 0 - 0	Byer's Improved.	-	Sunderland 2 nd May 1927 J.H. Butler.
29973	2nd „ ...	42	0	0	-	-	-	37	2	2	0		“ Stockless	-	
29974	3rd „ ...	35	2	0	-	-	-	32	15	0	0	“ “ “	-	“ 3 rd May 1927 J.H. Butler	
	Collective weight.	119	3	0								119 1/2			
16998	Stream	11	0	0	2	3	14	12	17	2	0	11 - 0 - 0	Common	Kendrick Model	Cardiff 13.5.27 A. Jones

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.	Statutory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.	
30787	240	1 7/8	65 1/2	88 1/2	425	2	0	425 1/4	240	1 7/8	Slack Link	Kendrick Model Cardiff 19.4.27 A Jones	TOWLINE	100	4	33	100	4
Iron Stream Chain or Steel Wire	75	Cir. 4 1/4	35						75	4 1/4			HAWSERS & WARPS	2.90	2 1/2	12 1/2	2.90	2 1/2
														2.90	2 1/4	9 1/2	2.90	2 1/4

Steering Gear, Steam Doukin Steering Gear, Hand Tackles to winch

Boats 2 at 23', 1 at 16' Steering Chains, Size and Test 1 1/2" test 17.12.20 Windlass Steam Blake Chapman.

ordinary fore hold
Ceiling in Hold, thickness and material 2 1/2 W.P. Cargo Battens, thickness, material and spacing none.

Cargo Hatchways.-(Upper Deck) steel oil tight as rule. Thickness of Hatches

ordinary hold.
Size of No. 1 Hatchway, (Forward) 8' x 10' No. 2 No. 3 No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters 101. 30 hinged steel cover with 3 fore and aft stiffeners

PALMERS SHIPBUILDING & IRON Co., Ltd.
Builder's Signature Alfred Donald SHIPYARD MANAGER

GENERAL DECLARATION This vessel has been built in accordance with the approved plans, the Society's Rules and the Committee's instructions. The materials and workmanship are good and to my satisfaction. All cargo tanks, oil fuel bunkers, ballast and feed tanks, have been filled and tested to rule pressures. This testing covered the testing of all W.T and O.T. bulkheads. All weather decks clear of oil spaces, and therefore not tested under pressure have been tested by flooding. The assigned freeboards have been marked on vessel's sides verified and cut in. The vessel is a repeat of T.S. BOLIVAR. by same builders for same owners (Nwe Report) 81542. Approved plans forwarded herewith - These are desired to be returned to Newcastle for use in completion of sister vessels.

Chd from Rule books & S.A.N.

The amount of Entry Fee £ 6 : 0 : 0 Fees applied for, -2 SEP 1927

Special Survey Fee.... £ 311 : 5 : 0 Received by me, 14.9.27 AATB

3/4d. Travelling Expenses, if any £ 7 : 6 : 8

I am of opinion the Vessel should be Classed + 100 A.I. Carrying petroleum in bulk.

State whether the Vessel has been built under Special Survey yes. Signature John T Ginalay for Left G L Brown
Surveyor to Lloyd's Register of Shipping.

Hull Certificate to be sent to Newcastle Date of issue 16/9/27

Committee's Minute FRI. 9 SEP 1927

Character assigned 100 A.I.
carrying petroleum in bulk
Lloyd's Assoc.

Thme 8.27 cl
filled for oil fuel 8.27 J.P. above 150°F

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

WISI - 0054 3/4

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.	24.0.11, with pin 26.2.14 KH Dunseldorf 4504.	29.3.27
2nd "	23.3.17, " " 26.2.0 KH. "	4503. 29.3.27.
3rd "	21.1.10, " " 21.1.14 KH. "	4510. 29.3.27.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 69 ft., R.Q.D. — ft., Bridge 22 ft., Forecastle 33 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *1 dk (stl)*

Official No. 149441; Signal Letters

Is bottom of Vessel coated with cement *yes*

Particulars of composition *except in oil spaces.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	42.5	107 FW.	Fore peak tank,		194
Double bottom, under Engines and Boilers,			After peak tank,		85
Double bottom, if under Engines only,			Deep tank, aft,		
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. 5207

Date 15.3.27

Dates of Surveys held while building

1927 Feb. 22, Mar. 14, 18, 21, 29, Apr. 4, 5, 8, 11, 14, 19, 22, 25, May 4, 9, 12, 18, 25, 30, June 2, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 21, 27, 28, 29, July 1, 4, 7, 9, 15, Aug. 29.

Total No. of Visits 40