

STEEL STEAMER or MOTORSHIP.

Received at London Office

10 JUN 1927

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

8/6/27

Port of

NEWCASTLE-ON-TYNE.

No. 81433

Survey held at

Jarrow-on-Tyne

Date First Survey

29 May 1925

Last Survey

26 March

1927

On the

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

Single Sc. MOTOR VESSEL "PECTEN"

e (Full scantling, Complete Superstructure with or without Tonnage Openings)

Full scantling oil carrier

State Type of Erections Pop. Bridge & Forecastle

under Deck

6788.81

CLASS 100A1

Carrying

State if with freeboard as condition of Class

FEET.

Built at

Jarrow-on-Tyne

Launched

30 March 1926

Yard No. 955

Builders

Palmers S.B. & L. Co. Ltd

Owners

Anglo-Saxon Petroleum Co. Ltd

Managers

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

Residence

Port of Registry

London

If surveyed while building, afloat, or in dry dock

all three

TERED DIMENSIONS.

FEET.

440.4

59.3

32.7

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

L 440.0

Breadth (greatest moulded)

B 59.0

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

D 32.75

1st Longitudinal Number (L x D)

B + D = 91.75

2nd Numeral L x (B + D)

= 40370

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

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

13.44

Do. Long Bridge to top of keel

Draught Moulded

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.
ES, Spacing amidships	9' 2"		Bracket Floors, Frame		
Intermediate	2' 3 1/2"		" " Reversed Frame		
" from 1/2 length to Collision bulkhead			" " Vertical Struts		
" in peaks	24"		Centre Girder, depth and thickness	51 1/2 x 56	
FRAMING.			" " top Angles	4 4 x 54	
ame Amidships, Angle, E or F	15 x 2 1/2 x 4 x 62		" " bottom Angles	5 5 x 56	
Intermediate BA	8 1/2 x 3 1/2 x 40		Side Girders, No. each side and thickness	2 @ 50 x 1 @ 44	
" Extends up to	upper deck		Margin Plate depth (excl. of flange) and thickness		
versed Frame Amidships, Angle			" " Vertical Angle to Tank side		
" " Extends up to			Bracket abaft 1/2 len. from stem		
Depth of Framing Girder	15 x 8 1/2		" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, E or F			Bracket forward 1/2 len. from stem		
" " Second 'tween Decks, Angle, E or F			Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Third " " " "			Gussets, spacing and scantling forward 1/2 len. from stem		
raming in Peaks, Angle or F	8 3 1/2 x 46		Tank Side Brackets, height above base line at toe of Frame and thickness		
diameter and Spacing of Rivets through side Frame and Shell Plating amidships	6 d = 5 1/4"		INNER BOTTOM PLATING. MCHY SPACE		
State if Frame Joggled	yes		Breadth and thickness of Middle Line Strake		
NTING ARRANGEMENTS (Sec. 7), state system and particulars	2nd dk fitted 3 stringers + deep tank top 4 x 1/2 plates + 2 webs		Thickness of remainder in Holds		
RENGTHENING OF BOTTOM FORWARD. State Particulars	bottom frames double webbed 3 stringers midship chockers Intercoastal Keelsons as plan		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?		
NGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in fore Hold	36 x 40		Uppermost Continuous Deck, amidships in Wells, Angle, E or F		
Height of Brackets at side above base line at toe of frame	as plan 6' 0"		" " in way of Bridge, Angle, E or F		
Middle Line Keelson, on Floors, Angles, E or F			Spacing		
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, E or F		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F		
Side Keelsons, No. each side	2 in fore deep tank		Spacing		
" " thickness of Intercoastal Plate	44		Fourth Deck, amidships, Angle, E or F		
" " Angles	6 6 x 44		Spacing		
DOUBLE BOTTOM. MACHY SPACE			Poop Deck, Angle, E or F		
Solid Floors, thickness and spacing	48 x 38 27 1/2" space		Spacing		
" " Are Frame and Reversed Frame joggled?	yes		Bridge Deck, Angle, E or F		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, E or F		
" " Spacing			Spacing		

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
" in 'tween Decks, Size and Spacing.....	4" x 2 1/2"			Built Pillars as plan					
" " " " " "									
" in Holds " " "	one built pillar in each			Cargo Tank as plan					
" " " " " "									
Centre Line Bulkhead	2 for length of oil cargo spaces								
Stiffeners and Spacing.....	deep channel 15 x 41 x 4 x 62	29'2"							
	intermediate BA 8 x 3 x 40	2'3 1/2"							
Plating, thickness of42								
STRINGERS AND DECKS.									
Uppermost Continuous Deck.	oil								
Stringer Plate, breadth and thickness in Wells	66" x 70								
" " " " in way of Bridge									
" Angle in Wells	6 6 58								
Thickness of Plating abreast Deck openings in way of Wells	.52 x .58								
Thickness of Plating abreast Deck openings in way of Bridge									
Thickness of Plating within line of openings...									
If Sheathed, material and thickness	no								
Second Deck.	For	37	44						
Stringer Plate, breadth and thickness in Wells...	37 x 48 to 44								
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...									
If Sheathed, material and thickness									
Third Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness.....									
Fourth Deck.									
Stringer Plate, breadth and thickness.....	48								
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness	40								
Plating, Sheathing, material and thickness ...	40							2 1/2 PP in accommodation	
Bridge Deck.									
Stringer Plate, breadth and thickness.....	41 x 42								
Plating, Sheathing, material and thickness ...	30							sheathed 2 1/2 PP	
Forecastle Deck.									
Stringer Plate, breadth and thickness.....	30 x 36								
Plating, Sheathing, material and thickness ...	30							sheathed 3" PP	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>NO</i>			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.									
FLAT PLATE KEEL	<i>58½</i>	<i>.96 ✓</i>	<i>.76 ✓</i>	<i>.76 ✓</i>	<i>✓</i>	<i>double</i>	<i>1"</i>	<i>3½</i>	<i>5</i>	<i>1⅝</i>	<i>4</i>	<i>lapped</i>	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes <i>4</i>)		<i>.68 ✓</i>	<i>.60 ✓</i>	<i>.68 stem frame</i>	<i>✓</i>	<i>"</i>	<i>1"</i>	<i>3½</i>	<i>4</i>	<i>1"</i>	<i>3½</i>	<i>"</i>	
BILGE PLATING, No. of Strakes <i>1</i>)		<i>.68 ✓</i>	<i>.60 ✓</i>	<i>.68 stem frame</i>	<i>✓</i>	<i>"</i>	<i>1"</i>	<i>3½</i>	<i>4</i>	<i>1</i>	<i>3½</i>	<i>"</i>	
SIDE PLATING, No. of Strakes <i>4</i>)	<i>12</i> <i>30</i>	<i>.66 ✓</i> <i>.68 ✓</i>	<i>.46 ✓</i>	<i>.46 ✓</i> <i>.68 stem frame</i>	<i>✓</i>	<i>"</i>	<i>1"</i>	<i>3½</i>	<i>3</i>	<i>7⅞</i>	<i>3⅞</i>	<i>"</i>	
UPPER DECK, Sheer- strake in Wells.....)	<i>57</i>	<i>1.12 ✓</i>	<i>.48 ✓</i>	<i>.48 ✓</i>	<i>✓</i>				<i>5</i>	<i>1⅝</i>	<i>5½</i>	<i>"</i>	
UPPER DECK, Sheer- strake in Bridge ...)	<i>"</i>	<i>"</i>											
STRAKE BELOW Sheer- strake in Wells.....)	<i>54</i>	<i>.89 ✓</i>	<i>.48 ✓</i>	<i>.48 ✓</i>	<i>✓</i>	<i>"</i>	<i>1⅝</i>	<i>4</i>	<i>5</i>	<i>1⅝</i>	<i>5⅞</i>	<i>"</i>	
STRAKE BELOW Sheer- strake in Bridge ...)													
POOP SIDE PLATING		<i>.42</i>				<i>double</i>	<i>¾</i>	<i>3</i>	<i>2</i>	<i>¾</i>	<i>2⅞</i>	<i>"</i>	
BRIDGE SIDE PLATING ...		<i>.42</i>				<i>single</i>	<i>¾</i>	<i>3</i>	<i>2</i>	<i>¾</i>	<i>2⅞</i>	<i>"</i>	
FOREC'TLE SIDE PLATING		<i>.42</i>				<i>single</i>	<i>¾</i>	<i>3</i>	<i>2</i>	<i>¾</i>	<i>2⅞</i>	<i>"</i>	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c).....	14
" Deck next below	1
As per Rule	app'd as above

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
" " Second "					
" " Third "					
" " Holds		44-38	8x34-40	30"	3 plate stringers as plan
COLLISION " (in Hold)		50-44	8x34-40	24"	semi box beam
AFTER PEAK " "		50-30	7x34-35	24x28"	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				Plate
STEM				Roller Bar 10 1/2 x 2 7/8
STERN FRAME { Propeller Post	Forging	10 1/2 x 8 1/2	Millon	
{ Rudder "		9 x 8 1/2	Rotterdam	
RUDDER—A x D.....	1020 Forging			
Speed of Vessel.....	12			
RUDDER mainpiece at head ...		13 1/2	Vukovic STE Co	
" " heel ...		10 1/4		
" how constructed				arms shrunk & keyed
" double or single plate coupling, vertical or horizontal				single horizontal

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	South Durham, Roman Long
	Place Partners, Bolckow Vaughan, Tyzack, Corbett, Cargo Steel	
	Has the Steel been tested as required by the Rules?	Yes

EQUIPMENT No. <i>41972</i>												LETTER <i>84</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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
<i>29306</i>	1st Bower ...	<i>82</i>	<i>1</i>	<i>14</i>				<i>59</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>72 1/2</i>	<i>Byers Improved</i>	<i>—</i>	<i>std. 16.2.26. Butler</i>
<i>29271</i>	2nd „ ...	<i>73</i>	<i>0</i>	<i>0</i>				<i>55</i>	<i>5</i>	<i>0</i>	<i>0</i>		<i>„ „</i>	<i>—</i>	<i>„ 27.1.26 „</i>
<i>29316</i>	3rd „ ...	<i>62</i>	<i>0</i>	<i>0</i>				<i>49</i>	<i>10</i>	<i>0</i>	<i>0</i>		<i>„ „</i>	<i>—</i>	<i>„ 19.2.26 „</i>
	Collective weight.	<i>217</i>	<i>1</i>	<i>14</i>	<i>1</i>							<i>207</i>			
<i>88141</i>	Stream	<i>20</i>	<i>2</i>	<i>14</i>	<i>5</i>	<i>0</i>	<i>20</i>	<i>21</i>	<i>5</i>	<i>2</i>	<i>21</i>	<i>20 1/2</i>	<i>Podgers</i>		<i>Mellerton 29.1.26. Green</i>

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.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.	Length.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.			Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
80005	150	2 1/2	112 1/2	157 1/2	470	3	18			Stud	-	Mellerton 28.1.26 Green	TOWLINE	130	5 1/2	82.78	130	5 1/2
80477	120	"	"	"	376	0	11			"		Tipton 8.3.26 Dwyllan	HAWSERS & WARPS	42/20	3"	78.4	42/20	23 1/4
80006	30	"	"	"	98	1	2	940	300	2 3/8	"	Mellerton 29.1.26 Green		"	8-90	8"		
Iron Stream Chain or Steel Wire		Cir.			445	1	3			Cir.			"	2-90	10"			
	120	5"		73					120	5			"	4-30	6"	Covr		

Steering Gear, Steam	<i>Hele Shaw Electric Hydraulic with emergency steam engine fitted</i>										Steering Gear, Hand	<i>Tackles to which from extra quadrant</i>									
Boats	<i>2. 25' lifeboats</i>										Steering Chains, Size and Test	<i>none</i>									
	<i>2. 26</i>										Windlass	<i>Emerson Parker & Thompson</i>									
Ceiling in Holds, thickness and material	<i>none</i>										Cargo Battens, thickness, material and spacing	<i>in fore hold 2" x 5/8" esp. in 9" space</i>									
Cargo Hatchways.—(Upper Deck)	<i>all oil tight 6'-x4'</i>										Thickness of Hatches	<i>50 plate</i>									
Size of No. 1 Hatchway (Forward)	<i>9' x 10'</i>										No. 2	<i>36 steel cover and angle stiffeners.</i>									
Number of Shifting Beams and/or	<i>Fore and Afters</i>										No. 3										
											No. 4										
											No. 5										
											No. 6										

SHIPYARD MANAGER

GENERAL DECLARATION

This vessel has been built in accordance with the approved plans, the Committee's instructions and the Society's Rules. The workmanship and materials are good and to my satisfaction. The vessel is built on the "MILLAR" system of framing - the bottom and decks being framed longitudinally and the sides transversely. There are two longitudinal bulkheads fitted for length of oil cargo spaces dividing the breadth of the vessel into three tank spaces. There are no trunkways. The vessel is built under the old rules of the Society for vessels carrying oil in bulk as far as they apply to the special type. All cargo tanks, coffer dams, engine oil tanks, oil fuel tanks, feed fresh ballast tank spaces have been fitted and tested to rule pressure. When testing covered all oil & W.T. bulkheads. The weather decks clear of ports already tested under pressure have been tested by flooding. The assigned freeboard has been marked on vessel's sides, verified & cut in. All approved plans and a plan of midship and end sections as built are forwarded herewith. It is desired that these be returned for use in completion of sister vessel.

Except for some details this vessel is similar to the "BULYSESSE" NWC Report 81380

The amount of Entry Fee	£ 10 : 0 : 0	Fees applied for,	
Special Survey Fee	£ 580 - 1 - 0		9.6. 1927
Fbd	13. 0. 0	Received by me,	21. 6. 27
Travelling Expenses, if any	£ :		
State whether the Vessel has been built under Special Survey			
Certificate to be sent to <i>Newcastle</i>			
Date of issue <i>22/6/27</i>			
Signature <i>Ed Brown</i>			
Surveyor to Lloyd's Register of Shipping.			

Committee's Minute	TUES. 14 JUN 1927
Character assigned	<i>+ 100A1</i>
	<i>carrying petroleum in bulk</i>
	<i>Lloyds atch</i>
	<i>+ Linc 5. 27 cl</i>
	<i>Oil Eng. 2 DB-18016</i>
	<i>ML</i>



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	47.1.18	- with pins	52.0.14	M.R.	Darlington	572	22.1.26
2nd "	42.50	"	46.2.21	W.M.	Mdb	6150	22.12.25
3rd "	34.1.9	"	38.0.14	M.R.	Darlington	506	8+22.1.26

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 99 ft., R.Q.D. _____ ft., Bridge 41.25 ft., Forecastle 63 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) 1st dk (stl) 2nd dk (stl) at ends

Official No. 149829 ; Signal Letters _____ Is bottom of Vessel coated with cement in ports only if not give particulars of composition oil spaces bare

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		<u>199</u>
Double bottom, under Engines and Boilers, <u>water, diesel oil, oil fuel</u>	<u>73.3</u>	<u>290.5 SW.</u>	After peak tank,		<u>70</u>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	<u>31.5</u>	<u>369</u>
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. 5139

Date 11.6.28

Dates of Surveys held while building

1925 May 29 Jun 3.8.16. Jul 10.14.21. Aug 5.7.10.12.19.28.31. Sept 2.9.10.14.17.21.23.24.28.29. Oct 2.6.7.12.14.19.23.27.30. Nov 6.10.12.13.17.19.23.24. Dec 1.14.15.29. 1926 Jan 5.12.14.15.19.20.21.22.23.25.26.27.28.29. Feb 1.2.3.4.5.8.10.11.12.15.16.17.18.22. Mar 1.4.18.19.24.30. Apr 2.6. June 4. Aug 17. Sept 23. Nov 1. Dec 10.14. 1927 Mar 2.4.17.18.26.

Total No. of Visits 91

t. 1*.

MOTOR VESSEL "PECTEN" M.V. Report No. 81433
 PARTICULARS OF LONGITUDINAL FRAMING.
 OIL SPACES

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. Speng. Ins. Ins.	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.	Number.			Diameter. Inches.		
ing of L, L or C																	
nes in Bridge 'tween Decks	BA	6	3	34													
nes from Uppermost Continuous Deck No. 1		15	41	4	42								1"	6	3 1/2"	for 9 rivets	16 7/8
HEEL	"	"	"	"	"								"	"	"	"	"
" 2	"	"	"	"	"								"	"	"	"	"
" 3	"	"	"	"	"								"	"	"	"	"
" 4	"	"	"	"	"								"	"	"	"	"
" 5	"	"	"	"	"								"	"	"	"	"
" 6	"	15	41	4	42								"	"	"	"	"
" 7	"	"	"	"	"								"	"	"	"	"
" 8	"	"	"	"	"								"	"	"	"	"
" 9	BA	10	3 1/2	50									"	"	"	"	12 7/8"
" 10																	
" 11																	
" 12																	
" 13																	
" 14																	
" 15																	
" 16																	
acing of longitudinal frames	Amidships	30"															
	At Ends	"															
ble oms or C	Tank Top Longitudinals																
	Bottom																
ing of Longitudinals	Amidships																
	At Ends																
om Transverses.		58"	50"	4	46"												
Bridge	Depth and Thickness		6	3 1/2	64	to 50											
on Decks	Face Angles																
	Lugs to Shell*		6	6	46												
			3 1/2	3 1/2	44												
Awning, Shelter or 'tween Decks.	Depth and Thickness																
	Face Angles																
	Lugs to Shell*																
	Depth and Thickness																
	Face Angles																
	Lugs to Shell*																
Hold.	Brackets																
ing of Transverse Frames																	
	* State if joggled or liners.																
ot give longitudinal beams of L or C	Bridge Deck																
	Awg. or Shltr. Dk.																
	Upper		9	3 1/2	48												
	Second		5 1/2	3	34												
	Third		5 1/2	3	34												
	Transverse																
	Beams																
	Fiddle																
	Post																

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.

me, Residence, and Description of Managing Owner if there are more owners than one.

W68-0131 3/3

28 MAY 1933