

Rpt. 1
RECEIVED

4 MAR 1947

IN D.O.

Date of completion of report

Survey held at BELFAST

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

M.V. "LEPTON" SINGLE SCREW MOTOR TANKER. (MACHINERY AFT).

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

FULL SCANTLING.

State Type of Erections POOP BRIDGE & FOLE.

TONNAGE under Tonnage Deck ...

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

Tonnage

er Tonnage

REGISTERED DIMENSIONS.

431

54.7'

30.6'

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.

15/2/47

Port of BELFAST.

No.

14332

Date First Survey 11 Jan, 1946

Last Survey 6 February 1947

1947

CLASS PETROLEUM IN BULK State if with freeboard as condition of Class

No.

Built at BELFAST.

Launched 26th SEPT. 46. Yard No. 1346.

Builders HARLAND & WOLFF 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

BUILDING, AFLOAT & DRYDOCK.

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.....	31 3/4"	✓	Bracket Floors, Frame	✓	
FOR: OF CARGO TANKS.			" " Reversed Frame.....	✓	
" " from 1/2 length amidships to Collision bulkhead.....	27"	✓	" " Vertical Struts	✓	
FROM 3/5 L TO AFT BHD OF D. TANK	31 3/4"	✓	Centre Girder, depth and thickness amidships	60" x 44"	
" " in peaks	24"	✓	" " top Angles	WELDED TO T. TOP.	
IN MACHINERY SPACE	26 1/4"	✓	" " bottom Angles..... DBLE.	4" 4" 53"	✓
SIDE FRAMING.			Side Girders, No. each side and thickness.....	2 AT 60" PART AFT. 2 AT 40" PART FOR.	✓
Frame Amidships, Angle, E or F	9 x 3 1/2 x 38"	✓	Margin Plate depth (excl. of flange) and thickness TANK TOP STRAIGHT	.51"	✓
FOR: CARGO TANKS.	10 x 3 1/2 x 40" B.A.	✓	" " Vertical Angle to Tank side	6" 6" 44"	✓
" " Extends up to.....	upper Deck.	✓	" " Bracket abaft 1/2 len. from stem	✓	
Reversed Frame Amidships, Angle	✓		" " Vertical Angle to Tank side	✓	
" " Extends up to	✓		" " Bracket from forward 1/2 len. from stem to Panting Area	✓	
Depth of Framing Girder.....	9" & 10"	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area ... T. TOP	✓	
" " Second 'tween Decks, Angle, [or]	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	36" x 45", 3" FLANGE.	✓
" " Third	✓		INNER BOTTOM PLATING.		
FOR: OF CARGO TANKS, TO COLL. BHD from 1/2 len. for'd. to 15% len. from Stem	10 x 3 1/2 x 44" B.A. IN FORE DEEP TANK	✓	Breadth and thickness of Middle Line Strake... TANK TOP IN WAY OF HOLDING DOWN BOLTS.	83" x 51"	✓
" " in Peaks, Angle [or]	8 x 3 1/2 x 40" B.A. 8 x 3 1/2 x 35" 7/8" AT 43 1/4"	✓	Thickness of remainder in Hold Motor Room.	1 1/8"	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" AT 43 1/4"	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. space space and framing in Bunkers and Boiler Room?	.51"	✓
State if Frame Joggled.....	YES.	✓	BEAMS.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	AS APPROVED.	✓	Uppermost Continuous Deck, amidships in way of POOP.	7" x 3 1/2 x 40"	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	AS APPROVED.	✓	" " in way of Bridge, Angle [or]	7" x 3" x 40"	✓
SINGLE BOTTOM.			" " in way of Bridge FOLE.....	9" x 3 1/2 x 40"	✓
Floors, Depth and thickness at mid-line in Holds.....	SEE		" " Spacing	every	✓
Height of Brackets at side above base line at toe of frame.....	SEE		" " AFT.	10" x 3 1/2 x 40"	✓
Middle Line Keelson, on Floors, Angles, [or]	LONGITUDINAL		Second Deck, amidships, Angle, E or F	7" x 3" x 34"	✓
" " Through Plate or Inter-costal Plate	FRAMING	✓	" " Spacing	6" x 3" x 38"	✓
" " Foundation Plate on Floors	PLAN.	✓	" " DEEP TANK TOP	8" x 3" x 40"	✓
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F	8" x 3" x 40"	✓
Side Keelsons, No. each side.....			" " Spacing.....	every	✓
" " thickness of Inter-costal Plate.....			Fourth Deck, amidships, Angle, [or]		
" " Angles			" " Spacing.....	every	✓
DOUBLE BOTTOM. (IN MOTOR SPACE).			Poop Deck, Angle, E or F	7" 3" 40"	✓
Solid Floors, thickness and spacing	43 AT 26 1/4"	✓	" " Spacing.....	every	✓
" " Are Frame and Reversed Frame joggled?	Yes.	✓	Bridge Deck, Angle, E or F	6" 3" 44"	✓
Bracket Floors, breadth and thickness at middle line	FLOORS WELDED	✓	" " Spacing.....	every	✓
" " breadth and thickness at margin plate.....	TO TANK TOP.	✓	Forecastle Deck, Angle, E or F	9 3/2 .38	✓
			" " Spacing.....	8 3/2 .36	✓

(MADE IN ENGLAND.)

003572-003580-0172. 1/3

2pt

ide
en D

de
Hold

tom

ide
en D

de
Hold

tom

ide
en D

de
Hold

tom

tom

requested not to write on or
committee's Minutes.

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

EQUIPMENT No. 38096.												LETTER at	ANCHORS.		
of te.	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.				
4	1st Bower	65	2	7	✓	✓	✓	51	7	2	0	BYERS IMPROVED STOCKLESS ANCHOR C.S. HEAD.	W.L. BYERS & CO LTD	LOW-WALKER, 30/7/46 R.J. VOGAN. ✓	
7.	2nd "	65	0	0	✓	✓	✓	51	0	0	0		D°	LOW-WALKER, 9/8/46. R.J. VOGAN.	
3.	3rd "	65	0	0	✓	✓	✓	51	0	0	0		D°	LOW-WALKER 31/7/46. R.J. VOGAN.	
	Collective weight	195	2	7	✓							194½ ✓			
19.	Stream	19	0	0	5	1	21	19	17	2	0	19-0-0	C.S. RODGERS ANCHOR.	NOT STATED.	LOW-WALKER 26/10/46 R.J. VOGAN.

CHAIN CABLES.										HAWSERS AND WARPS.									
No. of te.	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.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
07	270 3/4	2 5/16	96 1/4	134 3/4	721	3/22	720 3/4	270	2 5/16	STUD LINK	NOT STATED.	CRADLEY HEATH 6/1/47. W.V. NORMAN	TOWLINE	120	5 1/4	77.5	120	(5)	4 3/4
														2 AT 90	3 3/4	21.7	2 AT 90	2 3/4	
														2 AT 90	3	18.6	2 AT 90	2 1/2	
	90	4 3/4	64.6	✓				90	5	STEEL WIRE HAWSER	MARTIN, BLACK & CO (WIRE ROPES) LTD								
		6/24							6/12		COAT BRIDGE.								

ring Gear, Type (Power or hand) Hasties Steam hydraulic Alternative Means of Steering Block & tackle to winch.

ring Chains (Size and Test) Telemotor control. Windlass Emerson, Walker's direct grip steam 4 at 24" 0"

ing in Holds, thickness and material none. Cargo Battens, thickness, material and spacing none.

go Hatchways.—(Upper Deck) 24 off O/T. steel hatches 4' 0" dia x 10' x .75" Thickness of Hatches .40" 1/2. hinged covers.

of Hatchways No. 1 (Fwd.) Forehold 8' 0" x 8' 0" No. 2 and No. 3 as No. 4 above No. 5 fabricated No. 6

umber of Shifting Beams and/or Fore and Afters none.

Builder's Signature M. Marshall Secretary.

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 motorship.

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo oil Tanker. 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).

Oil fuel is carried in bunkers situated at the forward end of the motor space, in deep tank forward of the forward cofferdam and in the double bottom under engines. Cargo oil is carried in 24 compartments, between forward and after cofferdams, separated into three groups by two pump rooms.

This vessel has been built in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements are in accordance with or equivalent to those shown on the approved plans. The materials and workmanship are good. All cargo tanks, oil fuel bunkers, settling tanks, lubricating oil tanks, deep tank forward, fore and aft peak tanks, fresh water tanks, double bottom compartments in machinery space, and cofferdams have been water tested to Rule Requirements with satisfactory results. Weather decks and W.T. Bulkheads have been satisfactorily hose tested. Bilge pumping

The amount of Entry Fee..... £ ✓ : ✓ : } Fees applied for, 27/2/1947.

Special Survey Fee..... £654 0 : 0 } Received by me, 19

FREEBOARD FEE 17: 0 : 0

Travelling Expenses, if any £ ✓ : ✓ : }

WE ARE of opinion the Vessel should be Classed 100 A.1. "CARRYING PETROLEUM IN BULK", "LONGITUDINAL FRAMING AT BOTTOM AND DECK", "BUTTS OF DECK ELECTRICALLY WELDED."

State whether the Vessel has been built under Special Survey Yes.

Certificate to be sent to Belfast. Date of issue 25/3/47

Signature A. S. Fletcher & J. Miller. Surveyor to Lloyd's Register of Shipping.

Committee's Minute ✓

Character assigned +100A1 "Carrying Petroleum in Bulk"

2.47 Bel.

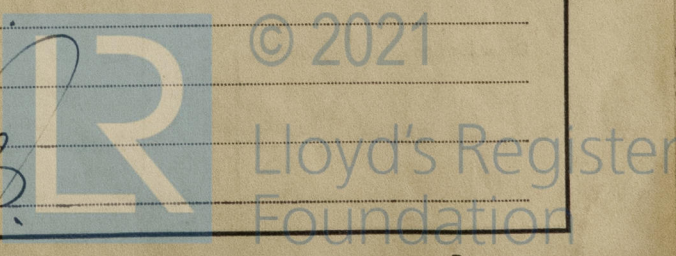
Lloyds A+C.P

Michy. aft.

C.H.

D.B. 18016.

White Bel.



"LEPTON."

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.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam.	Speng.		Number.	Diameter.
								Ins.	Ins.	Inches.		Inches.
Between Decks ...		✓										
EL												
ermest Continuous No. 1												
2 GIRDER												
" 2												
" 3												
" 4												
" 5												
" 6												
" 7												
" 8												
" 9												
" 10												
" 11												
" 12												
" 13												
" 14												
" 15												
" 16												
Amidships												
At Ends												
Top Longitudinals												
Bottom												
Finals { Amidships												
At Ends...												
Transverses.												
Depth and Thickness												
Face Angles												
Lugs to Shell*												
Depth and Thickness												
Face Angles												
Lugs to Shell*												
Depth and Thickness												
Face Angles												
Lugs to Shell*												
Back Bars ...												
Brackets												
FLOORS.												
ing of Transverse												
* State if joggled or liners.												
itudinal												
ms of												
BA.												
Upper												
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.)

and steam smothering have been tested and found satisfactory. The steering gear and windlass have been tested under working conditions at sea and found satisfactory. Freeboards assigned have been marked on the vessel's sides, verified and cut in and the freeboard certificates issued.

This vessel is a sister ship to the same builders N°1346 (Lingula), now completing at Belfast.

The following certificates are enclosed:—

Sternframe and back post, Jiller (main and spare), rudder stock, bearing ring and coupling bolts, bearing bushes and brass liners, cargo oil fuel hatchways, masts, derrick posts and derricks.

Steel invoices are forwarded.

Interim certificate issued, copy attached.

Approved plans are being retained at this office for guidance during completion of sister ship "LINGULA" (yard N°1347).

note:— This vessel is a sister ship of M/V "LYRIA" & M/V "LINGA", built by the same builders.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of upper deck, seams and butts of deep tank crown, side stringers to shell throughout, horizontal girders to bulkheads, gussets and brackets part welded, longitudinal bulkheads to shell, transverse bulkheads to shell in centre tanks, transverses to shell in centre tanks, bilge keel to shell. The double bottom tank under main engines is an all welded structure, except floor attachments to shell, angle butts and corners for airtightness. Rudder - see page 2.

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

Oil engine, machinery aft. ✓

Sperry gyro compass, D.F., E.S.D. ✓

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

1st Bower Weight of anchor head and pins. 42-0-21, J.H.J. 7649, 3/4/46.
2nd " 41-1-14, J.H.J. 7657 5/4/46.
3rd " 41-1-14, J.H.J. 7651 3/4/46. ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 88 ft., R.Q.D. ft., Bridge 52 ft., Forecastle 50.75 ft.

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

Official No. 181572 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length 446-2" (Circ. 1703) ✓

No. and Material of Decks ONE STEEL DECK, SECOND DECK STEEL CLEAR OF OIL FUEL TANKS AND FORE DEEP. ✓

Parts of Bottom of Vessel coated with cement or approved composition BARE STEEL IN OIL COMPARTMENTS, CEMENTED IN FORE AND AFT PEAKS. ✓

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,	22.75 ✓	104.2
Double bottom, under Engines and Boilers,			After peak tank,	16.0 ✓	56.65
Double bottom, if under Engines only,	59.0 ✓	128.7.	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	24.75 ✓	252.2.
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. 952

Date 31.10.45

Dates of Surveys held while building

1946
Jan. 11, 22, 28, Feb. 6, 11, 14, 27, Mar. 5, 11, 14, 21, 25, Apr. 2, 5, 9, 19, 24, May 3, 7, 9, 21, 22, 24, 31, June 14, 25, July 24, Aug. 1, 2, 7, 9, 13, 15, 16, 19, 20, 21, 23, 27, 28, 29, Sept. 3, 5, 6, 9, 10, 11, 13, 16, 17, 19, 20, 23, 24, 25, 26, 29, 30, 31 Nov. 1, 6, 7, 11, 18, 22, 29, Dec. 5, 12, 13, 16
1947
Jan. 13, 25, 30 Feb. 3, 6

Total No. of Visits

75