

SHIPM. EL STEAMER OR MOTORSHIP.

Received at London Office 10 JUL 1957

SECTION

No. 997

State if Report has been sent on the Freeboard of the Vessel YES - Form No 114231

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

Date of completion of report

Port of

No. 114465

Survey held at SOUTH SHIELDS

Date First Survey 3rd DECEMBER 1956 Last Survey 27th JUNE 1957

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) TWIN SCREW "ESSO HANDSWORTH" (MACHINERY AFT).

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) SCANTLINGS SUITABLE FOR A DRAUGHT OF 15'0" State Type of Erections POOP, LONG TRUNK, FORECASTLE.

TONNAGE under Tonnage Deck 2998.50

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

Total

Gross Tonnage 4352.43

Register Tonnage 2109.87

CLASS 100 A1 (CONTEMPLATED) State if with freeboard as condition of Class No

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 355.0

Breadth (greatest moulded) B 60.0

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 17.5

1st Longitudinal Number (L x D) =

2nd Numeral L x (B + D) =

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 =

Draught Moulded 15.06

Built at DULUTH, MINNESOTA, U.S.A.

Launched 1943. Yard No. —

Builders BARNES DULUTH SHIPBUILDING CO.

Owners ESSO PETROLEUM CO.

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

Residence

Port of Registry LONDON.

If surveyed while building, afloat, or in dry dock

AFLOAT & IN DRYDOCK.

REGISTERED DIMENSIONS.

FEET

Length 355.30

Breadth 60.08

Depth 16.83

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.....			Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead.....	24"	/	" " Reversed Frame.....		
" " Rise in peaks	3"	/	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships IN MACHINERY SPACE.		UNDER ENGINES 25" x 50" UNDER BOILERS 41" x 50"
Frame Amidships, Angle, E or F T.W. T	6" x 4" x 38"	/	" " top Angles	WELOED.	/
" " Extends up to	UPPER DECK	/	" " bottom Angles.....	WELOED.	/
Reversed Frame Amidships, Angle	—	/	Side Girders, No. each side and thickness.....	2	53"
" " Extends up to	—	/	Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder.....	6"	/	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Frames in PUMP ROOM			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		
Uppermost Continuous Deck, Angle, E or F T.W. T	8" x 4" x 50"	/	" " Gussets, spacing and scantling abaft 1/2 len. from stem.....		
Second Deck, Angle, E or F T.W. T	7" x 4" x 38"	/	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
O.F. BUNKERS ANGLE T.W. T	7" x 4" x 44"	/	FRAME BOTTOM		
Third POOP TWEENS. ANGLE T.W. T	7" x 4" x 38"	/	Tank Side Brackets, height above base line at toe of Frame and thickness	45"	/
FORECASTLE TWEENS			INNER BOTTOM PLATING. (MACH'Y SPACE)		
from 1/2 len. for'd. to 15% len. from stem ANGLE T.W. T	6" x 4" x 34"	/	Breadth and thickness of Middle Line Strake...	72" x 50"	/
" " in Peaks, Angle E or F T.W. T	6" x 4" x 35"	/	Thickens of remainder in Holds	85"	/
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	6" x 4" x 44"	/	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?.....	50"	/
State if Frame Joggled.....	ALL FRAMES. E.W. TOE ON.	/	BEAMS. UPPER DECK IN WING TANKS		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	NO	/	Uppermost Continuous Deck, amidships in Wing, Angle, E or F		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	AS PER SHELL EXPANSION.	/	" " in way of Bridge, Angle, E or F		
SINGLE BOTTOM. (IN CARGO TANKS & PUMP Rm)			Spacing	24"	/
Floors, Depth and thickness at mid-line in Hold	21" x 38" A.G.3"	/	UPPER Deck, IN FORE & AFT PEAKS AND PUMP ROOM.		
Height of Brackets at side above base line at toe of frame.....	45" x 38" A.G.3"	/	Second Deck, Angle, E or F T.W. T	6" x 4" x 38"	/
Middle Line Keelson, on Floors, Angle, E or F	48" x 50" WITH 13 1/2" x 1" RIDER PLATE.	/	Spacing	24"	/
" " Through Plate or Inter-costal Plate	WELOED	/	TRUNK IN CENTRE TANKS		
" " Foundation Plate on Floors	WELOED.	/	Third Deck, amidships, Angle, E or F T.W. T	5" x 3 1/2" x 38" 7" x 4" x 50" AT TRANSVERSES	/
" " Flat Plate Keel Angles	WELOED.	/	Spacing	24"	/
Side Keelsons, No. each side.....	4	/	Fourth Deck, amidships, Angle, E or F	—	/
" " thickness of Inter-costal Plate.....	48"	/	Spacing	—	/
" " Angles FACE FLATS	6" x 63"	/	Poop Deck, Angle, E or F T.W. T	5" x 3 1/2" x 32"	/
DOUBLE BOTTOM.			Spacing	24"	/
Solid Floors, thickness and spacing	50" UNDER BOILERS 44" ELSEWHERE 24" SPACING.	/	Bridge Deck, Angle, E or F	—	/
" " Are Frame and Reversed Frame joggled?	NONE.	/	Spacing	—	/
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, E or F T.W. T	6" x 4" x 38"	/
" " breadth and thickness at margin plate.....			Spacing	24"	/

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	10 @ AHEAD TRANSVERSE	8 1/2 x 8 x .48	57 RSJ. (LOWER)	✓		Stringer Plate, breadth and thickness in way of Bridge	@ BREAK OF POOP	1.10	✓		
" in 'tween Decks, Size and Spacing		8 x 3 x 3 x .38	41 CH (UPPER)	✓		Thickness of Plating abreast Deck openings in way of Wells	CENTRE STRAKE	.69	✓		
" " " " " " " "						Thickness of Plating abreast Deck openings in way of Bridge	ELSEWHERE	.50	✓		
" in Holds						Thickness of Plating within line of openings...					
LONGE Centre Line Bulkheads						If Sheathed, material and thickness...					
Stiffeners and Spacing	(1 PORT & 1 STARBOARD)	5 x 3 1/2 x .38	T.W. I	✓		Third Deck.					
Plating, thickness of		24" APART				Stringer Plate, breadth and thickness					
STRINGERS AND DECKS.		BASE PLATE .44				If Plated, state thickness					
Uppermost Continuous Deck.		TRUNK SIDE .50				Fourth Deck.					
Stringer Plate, breadth and thickness in Wells		57 1/2 x .50	TO .38 AT ENDS.	✓		Stringer Plate, breadth and thickness					
" " " " " " " "		@ BREAK OF POOP				If Plated, state thickness					
" " " " " " " "		in way of Bridge				Poop Deck.					
" Angle in Wells						Stringer Plate, breadth and thickness (FORD)	.45	✓			
Thickness of Plating abreast Deck openings in way of Wells		TRUNK SIDE				Plating, Sheathing, material and thickness	.38	✓			
Thickness of Plating abreast Deck openings in way of Bridge						Bridge Deck.					
Thickness of Plating within line of openings...						Stringer Plate, breadth and thickness					
If Sheathed, material and thickness...						Plating, Sheathing, material and thickness					
TRUNK Deck.						Forecastle Deck.					
Stringer Plate, breadth and thickness in Wells		72" x .69		✓		Stringer Plate, breadth and thickness	.38	✓			
						Plating, Sheathing, material and thickness...	.38	✓			

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL WHEN BUILT.				EDGES.				
	AMIDSHIPS.		FORWARD.		ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				
	Breadth.	Thickness.	Thickness.	Thickness.	State if joggled?				
Flat Plate Keel.....	70 1/2	.69	.69	.69					
" Dblg. (if any)	A 82 1/2	.56	.63	.44					
Bottom Plating, No. of Strakes	B 82 1/2	.56	.63	.44					
Bilge Plating, No. of Strakes	C 63	.56	.63	.44					
Side Plating, No. of Strakes	D 63	.50	.50	.44					
Upper Deck, Sheer-strake in Wells	E 62	.56	.63	.44					
Upper Deck, Sheer-strake in Bridge	F 63	.50	.50	.44					
Strake below Sheer-strake in Wells	G 63	.50	.50	.44					
Strake below Sheer-strake in Bridge									
Poop Side Plating.....				.38					
Bridge Side Plating.....									
Forecastle Side Plating			.38						

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	11
Extending to Upper Deck (Sec. 3 c)	2
UPPER DECK AND Deck next below	9
TRUNK DECK.	
As per Rule	—

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	FLAT PLATE KEEL	.69	✓	
STEM	SOFT NOSE.		✓	
STERN FRAME	Propeller Post			
	Rudder			
Speed of Vessel	10 KNOTS.		✓	
RUDDER—Type	TWIN SEMI BALANCED.		✓	
" A x D.				
Diam. of head	12 3/4"		✓	
Mainpiece at top pintle				
" heel				
how constructed	FABRICATED. E.W.		✓	
double or single plate coupling, vertical or horizontal	DOUBLE PLATE		✓	
	VERTICAL.		✓	

MIDSHIP BULKH'D.	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
TOP STRAKE.	.31	7" x 4" x .50"		UPPER STRINGER	
Second	.31	T.W. CENTRE TANKS.	24"	(E ONLY)	
Third	.38	7" x 4" x .38"		LOWER STRINGER	
BOTTOM STRAKE	.44	T.W. WING TANKS.		36" x .44" FLG 5" (E)	
Holds				21" x .38" FLG 4" (WINGS)	
COLLISION	.31/.44	7" x 4" x .38" T.W.	24"	STRINGER	
AFTER PEAK	.31/.44	7" x 4" x .38" T.W.	24"	12" x .38" FLG 4"	

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

STEEL.

Has the Steel been tested as required by the Rules?

Lloyd's Register Foundation

Departure from
roved Plans to
be Noted.

EQUIPMENT No. 30463

LETTER 2

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.			
35320	1st Bower	58	2	0	Stockless	47	10	0	0	0	53 3/4	HALLS TYPE	NOT STATED	L.P.H.L.W. 7/2/57. R.I. VOGAN
35272	2nd "	53	0	0	Stockless	44	5	0	0	0		BALOT TYPE	"	L.P.H.L.W. 24/11/56. R.I. VOGAN
35271	3rd "	51	3	14	Stockless	43	10	3	21			BALOT TYPE	"	L.P.H.L.W. 24/11/56. R.I. VOGAN
	Collective weight	163	1	14										
35164	Stream	20	1	0	Stockless	20	19	1	14		161.1.0	BRITANNIC TYPE	"	L.P.H.L.W. 23/4/56. R.I. VOGAN

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 Cable.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire.	Length and size per Table 53.	
	Fathoms.	Diam.	Statu-tory.	Break-ing.	Cwts.	qrs.	lbs.	Fathoms.	Diam.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
31086	150 1/2	1 1/8	71%	100%	220	2	0			270 f.	STD LINK SQ.	NOT STATED.	L.P.H.L.W. 13/11/56					
28561	58 1/2	2 1/8	107%	149%	123	0	24			447.3.0	1 13/16" SQ.	"	L.P.H.L.W. 13/12/56					
31088	30	1 3/4	77%	108	47	3	7				"	"	L.P.H.L.W. 13/11/56					
31206	30 3/8	1 3/8	88%	123%	51	3	7				"	"	L.P.H.L.W. 11/2/57.					
	Iron Stream Chain or Steel Wire	120	5							90	4 1/2		ALL R.J. VOGAN.					

Steering Gear, Type (Power or hand) STEAM; QUADRANT LINK CONNECTED TO TWIN TILLERS Alternative Means of Steering BLOCK & TACKLE.
(MAKERS :- VULCAN IRONWORKS. WILKES BARR P.A.)

Steering Chains (Size and Test) NONE. Windlass STEAM 10" x 12" Boats 3 @ 24'0"
1 @ 23'75" (MOTOR)
TOTAL PERSONS 144

Ceiling in Holds, thickness and material NONE. Cargo Battens, thickness, material and spacing NONE.

Cargo Hatchways.-(Upper Deck) STEEL COAMINGS TRUNK DK 33" DIA. HINGED STEEL COVERS
UPPER DK 25 1/2" x 19" Thickness of COAMINGS 44. COVERS 44

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

Number of Shifting Beams and/or Fore and Afters NONE.

Builder's Signature _____

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

THIS VESSEL HAS BEEN UNDER SPECIAL SURVEY IN CONFORMITY WITH THE SOCIETIES RULES AND REGULATIONS AND SECRETARY'S LETTERS. THE SCANTLINGS AND ARRANGEMENTS OF THE VESSEL ARE AS GIVEN IN THE REPORT AND AS SHOWN ON THE PLANS NOW FORWARDED. ALL MODIFICATIONS OR ADDITIONS TO THE ORIGINAL ARRANGEMENTS MADE DURING SPECIAL SURVEY HAVE BEEN INDICATED ON THE PLAN OF MIDSHIP SECTION AND SHELL EXPANSION AND HAVE BEEN PREVIOUSLY APPROVED FOR SIMILAR VESSELS "ESSO CHELSEA" & "ESSO FULHAM" AS BEING IN ACCORDANCE WITH OR BY STANDARDS EQUIVALENT TO RULE REQUIREMENTS. THE PLANS OF MIDSHIP SECTION AND SHELL EXPANSION SHOWING THE SHIP AS BUILT ARE FORWARDED HERewith. THE MATERIALS AND WORKMANSHIP ARE GOOD. CARGO OIL TANKS, COFFERDAM, OIL FUEL BUNKERS, PEAK TANKS, D.B. TANKS, BULKHEADS AND DECKS HAVE BEEN TESTED TO RULE REQUIREMENTS AND FOUND SATISFACTORY. OIL FUEL F.P. ABOVE 150°F CARRIED IN BUNKERS AFT. THE FREEBOARD MARKS ON THE SHIP'S SIDE HAVE BEEN VERIFIED, CUT IN AND PAINTED). DEGAUSSING CABLES HAVE BEEN FITTED IN THE VESSEL. THE REQUIREMENTS OF CHAPTER 'F' (FIRE EXTINGUISHING) HAVE BEEN COMPLIED WITH.

FIRST
The amount of Entry Fee. CLASSIFICATION £ 229.12 : 0
ALTERATIONS & REPAIRS
Special Survey Fee £ 70.0 : 0
O.B. INSTALLATION. 10 10 0
Travelling Expenses, if any £ : :
FREEBOARD ASSIGNMENT. 38 0 0
Fees applied for, 19
(Special notations, where part of class, to be stated.)
Received by me, 19
I am of opinion the Vessel should be Classed 100 AI.

State whether the Vessel has been built under Special Survey NOT BUILT UNDER SURVEY CARRYING PETROLEUM IN BULK.
Signature J.D.B. Dugdale.
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to NOC. Date of issue 2/9/57

Committee's Minute FRIDAY 9 AUG 1957

Character assigned See minute on Rpt. 8.

Noted
for
Header



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Lloyd's Register
Foundation

004727-004735-0080 1/2

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.)

SIMILAR VESSELS RECENTLY CLASSED — "ESSO FULHAM" & "ESSO CHELSEA".
SISTER VESSEL — "ESSO LAMBETH".

PLANS OF MIDSHIP SECTION & SHELL EXPANSION FORWARDED HEREWITH.

DEGAUSSING CABLES FITTED. BULKHEAD GLANDS AT FORECASTLE AND POOP FRONTS TESTED WITH SATISFACTORY RESULTS.

HEATING COILS FITTED TO ALL CARGO CENTRE TANKS AND N° 2, 3 & 4 CARGO WING TANKS (P&S).
HEATING COILS TESTED TO 400 LB/IN² WITH SATISFACTORY RESULTS.

N° 4 WING CARGO TANK (P&S) WAS AT THIS TIME ADAPTED FOR CARRYING O.F. F.P. ABOVE 150°F.
AS RESERVE BUNKERS.

PARTICULARS OF ELECTRIC WELDING (if employed) —
VESSEL COMPLETELY ELECTRIC WELDED.

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

LLOYDS A.C.P., CRUISER STERN, MACH'Y AFT, ELEC WELDED,
ESD, O.F., RADAR, P.F.D.

TWIN RUDDERS, FITTED FOR OIL FUEL F.P. ABOVE 150°F.
CARRYING PETROLEUM IN BULK (EXCEPT IN N° 1 & 4 WING TANKS (P&S))

RADAR Equipment (State if fitted) YES.

State Type or Pattern No. DECCA VISAGRAPH.

State } Maker DECCA RADAR LTD.
Name } and/or
of } Supplier LONDON.

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

	1st Bower	2nd	3rd	HEAD	SHANK	SHACKLE
	38-0-0 J.H.I. 12885	29/1/57			FORGED STEEL	
	39-2-0 J.H.I. 12809	12/11/56			12-0-0 J.H.I. 12811	12/11/56
	38-2-0 J.H.I. 12804	6/11/56			11-2-0 J.H.I. 12805	6/11/56
					1-1-0 J.H.I. 12812	12/11/56
					1-0-0 J.H.I. 12807	6/11/56

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 76.92 ft., R.Q.D. — ft., Bridge — ft., Forecastle 42.8 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated POOP & FORECASTLE JOINED BY RAISED TRUNK.

Official No. 187594. Signal Letters MXBR. Extreme Breadth over Belting 60'-4" Over-all Length 366'-0 9/16" (Circ. 1611) (Circ. 1703)

No. and Material of Decks ONE STEEL UPPER & ONE STEEL TRUNK DECK.

Parts of Bottom of Vessel coated with cement or approved composition COFFERDAM AFT.

(F.P. TANK, A.P. TANK, & O.B. FEED WATER TANKS CEMENT WASHED)

Particulars of composition (if fitted) and of approval NONE.

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.

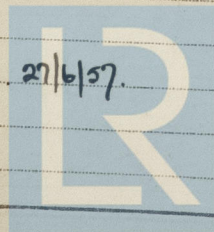
Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Feet.	Tons.	Feet.	Tons.		
Double bottom, aft, (MACH'Y SPACE)			Fore peak tank,		
Double bottom, under Engines and Boilers, N°1	36	DRY	After peak tank,		164
Double bottom, if under Engines only, N°2	12	26 FEED W.	COFFERDAM		149
Double bottom, if under Boilers only, N°3	10	DRY.	Deep tank, aft, FR 36-38	4	92
Double bottom, forward,			Deep tank, forward,		
Total length (if continuous) and Capacity	58		Other tanks, if fitted, N°1 WING TANKS (P&S)		920

Order for Special Survey No.

Date

Dates of Surveys held while building for S.S. & Classification

VARIOUS DATES BETWEEN 3/12/56 AND 27/6/57.



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Total No. of Visits 46

3 Jun 55