

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

Survey held at GREENOCK Date First Survey 14TH APRIL 1930 Last Survey 21ST OCTOBER 1930
"ZWEENA" (MAY 1931 SETTING OUT)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections MONKEY POLE

Do. of space or spaces ☒ Length from fore part of stem to after part of stern } L 145.0.
post on summer L.W.L. See Sec. 3 (1a) }

Breadth (greatest moulded) B 30.5.

Total 461.51. **Depth**, at middle of length from top of keel to top of beam at side of uppermost continuous D 12.0. **Owners** 129 AVENUE DU GENERAL DRUDE,

Gross Tonnage 639.66. of beam at side of uppermost continuous deck. See Sec. 3 (1c) = 2,100. Managers Anglo Saxon Petroleum Co., Ltd. CASABLANCA.

Register Tonnage 331.84 1st Longitudinal Number (L x D) 2100 Managers ANGLO-SAXON L. ROYAL CO. LTD.
(Where necessary to be entered in Reg. Book.)

2nd Numeral $L \times (B + D) = 4,446$ Residence LONDON.

REGISTERED DIMENSIONS.	Framing Depth "d," at middle of length. See	10.54.	
FEET.	Sec. 3 (1d)		Port of Registry FEDHALA.

Length 175.2. Proportions—Depth to Length—Uppermost continuous deck to top of keel 14.59. Port of Registry YEDAHUA. If conveyed while building afloat or in dry dock

Breadth 30.65.

Do. ^{Poof Deck} Long Bridge to top } 8.98.
 of keel }

If surveyed while building, afloat, or in dry dock

Breadth
Depth 11.3.
Draught Moulded 11'-4"
BUILDING AND AFLOAT.

	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	21 1/2		Bracket Floors, Frame	
" " from 3/8 length to Collision bulkhead.....}	21 1/2		" " Reversed Frame	
" " in peaks.....	21 1/2		" " Vertical Struts	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	
Frame Amidships, Angle, E or F	6 1/2 3 34.		" " top Angles	
" " Extends up to	UPPER DECK.		" " bottom Angles	
Reversed Frame Amidships, Angle	2 1/2 2 1/2 32		Side Girders, No. each side and thickness	
" " Extends up to Across Top of Floors.			Margin Plate depth (excl. of flange) and thickness	
Depth of Framing Girder	6 1/2		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	
Frames in Uppermost Continuous 'tween' Decks, Angle, E or F			" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	
" " Second 'tween Decks, Angle, E or F			" " Gussets, spacing and scantling abaft 1/4 len. from stem.....}	
Third			" " Gussets, spacing and scantling forward 1/4 len. from stem.....}	
Framing in Peaks, Angle	4 3 33	4" x 2 1/2" x 33."	Tank Side Brackets, height above base line at toe of Frame and thickness	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" @ 6 DIAS.		INNER BOTTOM PLATING.	
State if Frame Joggled	No.		Breadth and thickness of Middle Line Strake ...	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars }	DEEP B.A. FRAMES AND 2 SIDE STRINGERS AS APPROVED.		Thickness of remainder in Holds	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	FRAMES DOUBLED. AND 2 STRAKES OF SHELL PLG. INCREASED AS APPROVED.		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Tankers and Boiler Room?	
SINGLE BOTTOM.			BEAMS.	
Floors, Depth and thickness at mid-line in Holds	16 x 32.		Uppermost Continuous Deck, amidships, in Wells, Angle, E or F	4 3 30
Height of Brackets at side above base line at toe of frame	34"		" " in way of Bridge ^{Poop} Angle, E or F	5 3 34
Middle Line Keelson, on Floors, Angles, W or X	DOUBLE 4 3 32.		Spacing	ON EVERY FRAME
" " Through Plate E or F	34.		Trunk Second Deck, amidships, Angle, E or F	4 1/2 3 34
" " Intercoastal Plate... ..			Spacing	ON EVERY FRAME
" " Foundation Plate on Floors	12 x 34 DOUBLE 3 1/2 3 1/2 40.		Third Deck, amidships, Angle, E or F	
" " Flat Plate Keel Angles			Spacing	
Side Keelsons, No. each side	TWO.		Fourth Deck, amidships, Angle, E or F	
" " thickness of Intercoastal Plate... ..	30.		Spacing	
" " BULB ANGLE	6 3 46.		Poop Deck, Angle, E or F	6 3 34.
DOUBLE BOTTOM.			Spacing	ON ALT. FRAMES
Solid Floors, thickness and spacing			Bridge Deck, Angle, E or F	
" " Are Frame and Reversed Frame joggled?			Spacing	
Bracket Floors, breadth and thickness at middle line.....			Monkey Forecastle Deck, Angle, E or F	6 3 34
" " breadth and thickness at margin plate.....			Spacing	ON EVERY FRAME

PILLARS AND DECKS.

[illegible]

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.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	57	.51 ✓	.41 ✓	.41.		2R.	3/4	2 11/16	3	3/4	2 5/8.	LAPPED.
" DBLG. (if any)		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. { of Strakes2....)		.38 ✓	.38 ✓	.31..		2R. - 1R.	3/4	2 11/16	2	3/4	2 5/8.	LAPPED.
BILGE PLATING, No. of { Strakes/.....)		.38 ✓	.31 ✓	.31.		2R. - 1R.	"	"	2	"	"	"
SIDE PLATING, No. of { Strakes/.....)		.34 ✓	.31.	.31.		2R. - 1R.	"	"	2	"	"	"
UPPER DECK, Sheer-) strake in Wells.....)	50"	.34 ✓	.31 ✓	✓		2R. - 1R.	"	"	3 - 2.	"	"	"
UPPER DECK, Sheer-) strake in Bridge way OF POOP.	50	.37 ✓	✓	.34.		2R. - 1R.	"	"	3 - 2.	"	"	"
STRAKE BELOW Sheer-) strake in Wells.....)	52	.34 ✓	.31 ✓	✓		2R. - 1R.	"	"	2	"	"	"
STRAKE BELOW Sheer-) strake in Bridge way of Poop.		.34 ✓	✓	.31.		2R. - 1R.	"	"	2	"	"	"
POOP SIDE PLATING		✓	✓	.26		1R.	"	"	1	"	"	"
TRUNK BRIDGE SIDE PLATING ...	48	.38 ✓	.38.	✓		2R.	"	"	2	"	"	"
FOREC'TLE SIDE PLATING		✓	.26	✓		1R.	"	"	2 - 1	"	"	"

WATERTIGHT BULKHEADS.

E. O. T.
 Total No. of W. T. / BULKHEADS in Vessel— NINE /
 Extending to Upper Deck (Sec. 3 c) NINE.
 „ Deck next below ✓
 As per Rule THREE. /

~~FORGINGS and CASTINGS.~~

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, the	FLAT	PLATE.		
STEM	ROLLED STEEL.	$6\frac{1}{8} \times 1\frac{1}{4}$ "	THE LANARKSHIRE STEEL CO. LTD.	
STERN FRAME { Propeller Post	FORGED			
{ Rudder	STEEL	$6\frac{1}{2} \times 1\frac{1}{2}$ "	EMERSON WALKER & CO. LTD.	$6\frac{1}{4} \times 1\frac{1}{2}$.
RUDDER—A × D		123.		
Speed of Vessel		9 KNOTS.		
RUDDER mainpiece at head ...	FORGED STEEL	6" DIA.	EMERSON WALKER & CO. LTD.	
" " heel ...	FORGED STEEL	$4\frac{1}{2}$ " DIA.		
" how constructed	FORGED	E. BUILT.		
" double or single plate		84.		
" 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) THE LANARKSHIRE STEEL CO. LD.,
DAVID COLVILLE & SONS LD.; CONSETT IRON CO. LD.; JAMES DUNLOP & CO. LD.; STEEL CO. OF SCOTLAND LD.;
SKINNINGROVE IRON WORKS.
Has the Steel been tested as required by the Rules? YES.

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. cwt. qrs. lbs.	Cwts.			
33320.	1st Bower ...	19 0 21	STOCK LESS 1	14 19 1 14.	12.45.	BYER'S IMPROVED.	NOT STATED.	SUNDERLAND. 26-8-30. J.H.BUTLER.
3333H.	2nd „ ...	14 2 21	0°	16 5 2 14.	14.50.	0°	0°	SUNDERLAND. 3-9-30. J.H.BUTLER.
33343.	3rd „ ...	14 2 4	0°	16 3 1 21.	14.50✓	0°	0°	SUNDERLAND. 5-9-30. J.H.BUTLER.
	Collective weight.	42 1 21			41.45✓			
45668.	Stream	4 1 22.	1 0 22.	6 14 2 0	4.25.	ORDINARY.	NOT STATED.	CROLEY HEATH. 4-9-30. R.F.DRYSDALE.

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.	Fathoms.	Ins.	Length.					Diam.	Length.		Cir.	Fathoms.	Ins.	Tons.	Fathoms.	Ins.
					Tons.	Tons.																	
45621	195	1 ³ / ₁₆	25.38	38.	141	0	21	141.25.	195	1 ³ / ₁₆	STUO LINK	NOT STATED.	CRAOLEY HEATH. 4-9-30. R.F.DRYSDALE	LOW LINE...	75	2 ³ / ₄	15.2.	45	2 ³ / ₄				
														HAWSLERS & WARPS	90	2 ¹ / ₄	10.8.	90	2 ¹ / ₄				
		Cir.								Cir.				"									
Iron Steam Cable - or Steel Wire	60	3.	18.6.	✓	✓				60	3	S.W.R.			"									

Steering Gear, ~~Steam~~ COMBINED HAND AND AIR OPERATED HYDRAULIC - Steering Gear, ~~Hand~~ BY J. HASTIE & CO. LTD. (AIR OPER)

Boats 2 off EACH 19'-0" x 6'-6" x 2'-6" Steering Chains, Size and Test.....NONE

Windlass { *AIR OPERATED*
BY CLARKE CHAPMAN & CO. LTD.

FORE
Ceiling in ¹Holds, thickness and material 2½ WHITE PINE.

Cargo Battens, thickness, material and spacing 2 1/2" x 5/8" COPE SPACED 9" CAS.
IN FOREHOLD ONLY

Oil Hatchways. — (Upper Deck) 9' x 3' x 45" B.A. COAMING ON TRUNK DECK. Thickness of Hatches 40" STEEL HINGING COVERS.

Size of ^{O/L}(No. 1) Hatchways (Forward) { 1 P & 1 S. 6'0" x 5'6" No. 2 { 1 P & 1 S. 6'0" x 5'6" No. 3 { 1 P & 1 S. 6'0" x 5'6" No. 4 { FORE HOLD CARGO. 4'0" x 4'0" 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 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 ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved Plans, instructions and printed Rules of this Society. The materials and workmanship are of good quality. The Greenboard has been verified and cut in on the vessel's sides. The Cargo Oil Tanks, Cofferdam, Fore Peak Store and After Peak Tank have all been tested to Rule requirements and found satisfactory and Section 20 of the Rules have been complied with. The flash-point of oil is above 150° Fah. The weather decks have been hose tested and found satisfactory.

The Builders have requested that classification certificate, in duplicate, be supplied to them.

An Interim Certificate has been issued at Owners' request and a copy of same is attached hereto.

The amount of Entry Fee	£	4	:	0	:	0	} Fees applied for, 31 st OCTOBER 1930.
Special Survey Fee....	£	96	:	0	:	0	
FREEBOARD	£	3	:	6	:	8	} Received by me, 31.12.1930
Travelling Expenses, if any	£		:	✓	:		

I am of opinion the Vessel should be Classed **✠ 100 A.1.**

"CARRYING PETROLEUM IN BULK"

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

Signature

D. Y. Warner,

Surveyor to Lloyd's Register of Shipping.

APPLICATE
Certificate to be sent to GREENOCK OFFICE. Date of issue 11/1/31

Marchy "in duplicate" Amsterdam
 Committee's Minute **GLASGOW 4 - NOV 1930**

Character assigned $\frac{1}{2}$ - 100 Hl.

1030

Carrying Petroleum in Bulk
Lloyds A.C.P.

+ LMC 1030.

© 2020

Lloyd's Register

W1064-0127²/₃

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.)

PROFILE AND DECK PLAN.

MIDSHIP SECTION.

ENGINE SEAT PLAN.

PUMPING ARRANGEMENT.

PLAN OF PROPELLER BRACKETS AND BOSSING.

" " DAILY SERVICE OIL FUEL TANK.

" " SHOWING METHOD OF FITTING VERT^L. BULK^Y STIFFENERS.

" " MODIFICATION TO FORE PART OF SHIP.

STERNPOST AND RUDDER PLAN (CANCELLED)

" " " " (AMENDED)

PLAN OF CAST STEEL RUDDER CROSSHEAD (CANCELLED)

" " " " (AMENDED)

FORGINGS' REPORT FOR STERNFRAME.

" " RUDDER FRAME.

CASTINGS' " " SHAFT BRACKETS.

" " TILLER CROSSHEAD.

PROFILE AND DECKS' PLAN OF SHIP AS BUILT.

MIDSHIP SECTION OF SHIP AS BUILT.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	7-2-18	K.H.	8325.	25-4-30.
	2nd "	8-2-24	K.H.	8433.	15-8-30.
	3rd "	8-2-24	K.H.	8434.	15-8-30.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 50.7 ft., R.Q.D. ☒ ft., ^{TRUNK} Bridge 91.3 ft., Forecastle 33.0 ft.
(in feet and tenths). When the Poop is joined to the ^{TRUNK DECK} ~~H.D.~~, this should be distinctly stated YES.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 105. (STL.)

Official No. ☒ ; Signal Letters _____ Is bottom of Vessel coated with cement IN PEAKS ONLY if not give
particulars of composition BARE STEEL IN OIL FUEL TANKS & COFFERDAM, RED LEAD COMPOSITION ELSEWHERE.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	<input checked="" type="checkbox"/>	
Double bottom, under Engines and Boilers,			After peak tank,	<input checked="" type="checkbox"/>	31.5 S.
Double bottom, if under Engines only,			Deep tank, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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.)		

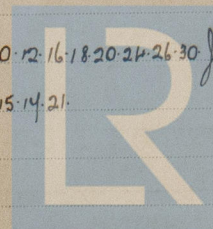
* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 3313

Date 10th March 1930.

Dates of Surveys held while building

(1930) April 14, 18, May 9, 12, 15, 16, 20, 21, 22, 23, 26, 28, 30, June 2, 4, 6, 10, 12, 16, 18, 20, 24, 26, 30, July 1, 14, 16, 17, 18, 22, 24, 29, 30, 31, Aug. 4, 6, 7, 8, 11, 13, 14, 15, 18, 20, 24, 30, Sept. 1, 3, 12, 14, 19, 26, Oct. 4, 14, 15, 14, 21.



Lloyd's Register
Foundation

Total No. of Visits 54