

State if Report is sent on the Machinery of the Vessel..... 410

Port of *Greenock*

No. 20189

Date First Survey

4th August, 1935 Last Survey

9th July. 1936.

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

M.V. "ARINIA"

Single Screw

machinery apt.

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

Full Scantling

State Type of Erections *Peop, Bridge & Ice*

TONNAGE under) 7237.67
Tonnage Deck...)

CLASS + 100 A.1. State if with freeboard) ho.
Carrying Petroleum in Bulk (is condition of Class)
Long Framing at Bottom & at Deck FEET

Built at Port Glasgow

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

Length from fore part of stem to after part of stern }
post on summer L.W.L. See Sec. 3 (1a) } L 460.0

Launched 27/3/36 Yard No. 880

Total 7237.47.

Breadth (*greatest moulded*) B 59.0

Builders *Lithgows Ltd.*

Gross Tonnage 8024.50

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) D 34.0

Owners Anglo Saxon Petroleum Co Ltd

Register Tonnage 4777.26

1st Longitudinal Number (L x D).....= 15640

Managers

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

REGISTERED DIMENSIONS.

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

Residence *No. Helens Court
Leadenhall St. London E.C.*

Length 465.0

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

Port of Registry *London*

Breadth 59.25"

Do. Long Bridge to top
of keel

If surveyed while building, afloat, or in dry dock

Depth 33.85

Draught Moulded

Building, Afloat, & in Drydock

FRAMES, DOUBLE BOTTOM AND BEAMS

[illegible]

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.....			SECOND DECK IN WAY OF CARGO HOLD.	38" x .36	
" in 'tween Decks, Size and Spacing.....			Stringer Plate, breadth and thickness in way of Bridge		
" " " " "			Thickness of Plating abreast Deck openings in way of Wells34	
" in Holds " " "			Thickness of Plating abreast Deck openings in way of Bridge		
" " " " "			Thickness of Plating within line of openings		
Longitudinal Centre Line Bulkhead, I.P. & S. Outlight.			If Sheathed, material and thickness	✓	
Stiffeners and Spacing... spaced 30 3/4"	10 x 3 1/2 x .42 B.A. N.B.S. 11 x 3 1/2 x .42 Lx 746 Tank 11 x 3 1/2 x .44 Lx 707 Tank	✓ ✓ ✓	Third Deck.		
Plating, thickness of43 - .39			Stringer Plate, breadth and thickness.....		
STRINGERS AND DECKS.			If Plated, state thickness.....		
Uppermost Continuous Deck.			Fourth Deck,		
Stringer Plate, breadth and thickness in Wells 90" x .78			Stringer Plate, breadth and thickness.....		
" " " " in way of Bridge 90" x .87			If Plated, state thickness		
" Angle in Wells 7 x 7 x .70			Poop Deck.		
Thickness of Plating abreast Deck openings in way of Wells } .75 x .58 ✓			Stringer Plate, breadth and thickness	37" x .37	
Thickness of Plating abreast Deck openings in way of Bridge } x as per approved Plan			Plating, Sheathing, material and thickness26 5 x 2 1/2" O.P.	
UPPER DECK IN POOP	Stringer .70 - .36 ✓		Bridge Deck.		
Thickness of Plating within line of openings	Plating .60 - .52 ✓		Stringer Plate, breadth and thickness.....	41 x .43	
UPPER DECK IN FORE	Stringer .53 - .44 ✓		Plating, Sheathing, material and thickness30 5 x 2 1/2 O.P. (inside House)	
If Sheathed, material and thickness	Plating .46 - .36 ✓		Forecastle Deck.		
Second Deck, IN WAY OF ENGINE SPACE			Stringer Plate, breadth and thickness.....	37 x .37	
Stringer Plate, breadth and thickness in Wells... 24" x .40			Plating, Sheathing, material and thickness30 5 x 2 1/2 O.P.	
DECK PLATING .36					

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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	53	.99	.78	.78		Double	1"	4	5R - 4R	1 1/8	4 1/2	Lapped.	
" Bldg. (if any)	3 Bottom Strakes (pls) .76 x .74 from 1/2 L. for 1/2 Collision Bld.												
BOTTOM PLATING, No. of Strakes 4	10	.63	.50	.53		Double	7/8"	3.42	4R - 3R	7/8	3 1/2	Lapped	
BILGE PLATING, No. of Strakes 1	9	.64	.50	.54		"	"	"	" "	"	"	"	
SIDE PLATING, No. of Strakes 363	.48	.48		"	"	"	" "	"	"	"	
UPPER DECK, Sheer-strake in Wells.....	57"	1.03	.48	.48		"	1"	3.84	5R - 4R	1 1/8	4 1/2	"	
UPPER DECK, Sheer-strake in Bridge ...	57"	1.03	✓	✓	1.19 at Bridge Ends & Poop Front.	"	"	"	6R.	"	"	"	
STRAKE BELOW Sheer-strake in Wells.....	82 3/4	.76	.48	.48		"	7/8	3.42	4R - 3R	1"	4	"	
STRAKE BELOW Sheer-strake in Bridge ...	82 3/4	.76	✓	✓		"	"	"	4R	1"	4	"	
POOP SIDE PLATING40		Single	7/8"	3.5	2R	7/8	3 1/2	"	
BRIDGE SIDE PLATING43				"	7/8	3.4	2R	"	"	"	
FOREC'TLE SIDE PLATING			.43.			"	3/4	3	1R.	3/4	2 3/8	"	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. ^{✓ O.T.} BULKHEADS in Vessel— 15		Casting or Forging.		Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c) 14						
„ Deck next below 1						
As ^{approved} per Rule 14 1/2 upper Dk & 1 1/2 2 nd Deck						
		STIFFENERS.				
Plating Thickness.		VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper between decks						
„ „ Second „						
„ „ Third „						
„ „ Holds		B.A. 57 1/2 x 41	10 x 3 1/2 x .40	33 1/2 x 30	2 Stringers in Deck as approved.	
COLLISION „ (in Hold)		B.A. 53 1/2 x 26	9 x 3 x .38 (as approved)	24	2 Semi Box Beams & O.T. Flat	
AFTER PEAK „ „		B.A. 49 1/2 x 30	9 1/2 x 3 1/2 x .45 (as approved)	24	Double Bolts Flat	

KEEL, Bar	✓			
STEM	Rolled Steel 10 1/4 x 23 1/4			
STERN FRAME	Propeller Post	Cast Steel	Shaped as per approved Plan	} Bochumer Verein A.G.
	Rudder „			
RUDDER—A x D	78 1/2	Ordinary Double Plate		
Speed of Vessel	12 K.			
UPPER STOCK	Forged Steel	13 1/2 dia		
RUDDER mainpiece at head	Steel Casting	Shaped as per approved plan	} Bochumer Verein A.G.	
„ „ heel				
„ how constructed	Cast Steel frame			
„ double or single plate	Double plate	50		
„ 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)

Colvilles Ltd., The Steel Co of Scotland Ltd., Scottish Iron and Steel Co Ltd.,
Skinner's Iron Co Ltd.,

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

Lloyd's Register
Foundation

M.V. "ARINIA."

Rpt. 1*.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.		
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
Framing of L, N & C																
Frames in Bridge 'tween Decks ...																
Frames from Uppermost Continuous Deck to Bridge																
No. 1		TRANSVERSE FRAMING IN POOP BRIDGE & FO'LE														
" 2		17x4x4x.48/68 17x4x4x.48/68 17x4x4x.48/68 17x4x4x.48/68 7/8 5/16 3 1/16" for 11 R														
" 3		-do- -do- -do- -do- " " " " " -do-														
" 4		O.T. LONGITUDINAL BHD OT LONG. BHD.														
" 5		17x4x4x.48/68 TRANSVERSE FRAMES 17x4x4x.48/68 TRANSVERSE FRAMES " " " " " -do-														
" 6		-do- IN END WING -do- " " " " " -do-														
" 7		-do- TANKS AS PER -do- END WING TANKS. " " " " " -do-														
" 8		-do- APPROVED PLANS -do- " " " " " -do-														
" 9																
CENTRE GIRDER																
" 10																
" 11																
" 12		40 .42 40 .42 40 .42 40 .42														
" 13		3 1/2 x 3 1/2 x .44 3 1/2 x 3 1/2 x .44 3 1/2 x 3 1/2 x .44 3 1/2 x 3 1/2 x .44														
" 14		4 x 4 x .50 4 x 4 x .50 4 x 4 x .50 4 x 4 x .50														
" 15																
" 16																
Spacing of Longitudinal Frames		Centre Tanks 33" wing Tanks 30" throughout as approved														
Double Bottoms																
L, L or C																
Tank Top Longitudinals																
Bottom																
Spacing of Longitudinals		Double Bottom in Engine space only Transverse framing fitted as per Page 1.														
Transverses.																
In Bridge																
'tween Decks																
BOTTOM TRANSVERSES.																
In																
Upper 'tween Decks.																
Depth and Thickness		CENTRE 40x.44 WINGS 37x.44 CENTRE 40x.44 WINGS 37x.44 CENTRE 40x.44 WINGS 37x.44 CENTRE 40x.44 WINGS 37x.44														
Face Angles		6x4x.53 double 6x4x.53 double 6x4x.53 double 6x4x.53 double														
Lugs to Shell		CR. 6x6x.46 WINGS 6x6x.44 CR. 6x6x.46 WINGS 6x6x.44 CR. 6x6x.46 WINGS 6x6x.44 CR. 6x6x.46 WINGS 6x6x.44														
Depth and Thickness		30x.42 30x.42 30x.42 30x.42														
Face Angles		6x3 1/2 x.44 6x3 1/2 x.44 6x3 1/2 x.44 6x3 1/2 x.44														
Lugs to Shell		3 1/2 x 3 1/2 x.44 3 1/2 x 3 1/2 x.44 3 1/2 x 3 1/2 x.44 3 1/2 x 3 1/2 x.44														
Brackets		Connected to upper & lower side stringers & Channel Plate as approved														
Spacing of Transverse Frames		10'-3" 10'-3" 10'-3" 10'-3"														
* State if joggled or liners.																
Longitudinal Beams of																
Bridge Deck																
Upper																
Second																
CENTRE DECK																
GIRDER																
Spacing.		33" 30"														
UPPER DECK Transverse Beams.																
In Ships.																
As approved.																

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.

EQUIPMENT No 44281.44										LETTER C†	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.				
35635	1st Bower ...	73	2	21	Stockless			53	15	-	-	} as per Rules C 2 46	Bygone Stockless	not stated	Sunderland 17/1/36 Butler
35655	2nd " ...	73	2	0	"			53	10	-	-		"	"	" 22/1/36 "
35636	3rd " ...	73	2	0	"			53	10	-	-		"	"	" 17/1/36 "
	Collective weight.	220	2	21								219 - 2 - 0.			
48746	Stream	22	0	0	5	2	10	22	7	2	0	22 - 0 - 0	Rodgers forged wrought iron	"	Cradley Heath 25/10/35 Paul

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.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.						Fathoms.	Ins.	Tons.	Fathoms.	Ins.
52417	300	2 3/16	106 3/10	149.625	890.2.7	890 1/4	300	2 3/16	Slack Link	✓✓	Cradley Heath 23/1/36 Paul.		TOWLINE...	130	5 1/4	77 1/2	130	5 3/4
													HAWSERS & WARPS	200	3 1/4	21 7/10	200	2 3/4
													"	200	3 1/4	21 7/10	200	2 3/4
Iron Stream Chain or Steel Wire	120	5"	52 5/10				120	5"	GFSN				"					

Steering Gear, Steam + Hydraulic by Harvie & Co Greenock Steering Gear, Hand by relieving Tackle led 4 Poop winch
 Boats 4 Lifeboats + 1 Dinghy Steering Chains, Size and Test Telsmole Gear Windlass Steam by Emerson Walker
 Ceiling in Holds, thickness and material none. Cargo Battens, thickness, material and spacing none.
 Cargo Hatchways, (Upper Deck) Steel Plate + Angles Thickness of Hatches Hinged Steel Cover
 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 none
 Oil Tight Stitches to Cargo Tanks 21 in number 4'-0" x 3'-0" Coaming 30" x 40 Steel Hinged Covers 50.
 Builder's Signature *R. Campbell*
LITHGOWS LIMITED

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 + in general conformity with the Society's Rules for the Class contemplated.
 The workmanship + materials are of good quality.
 All the Double Bottom Tanks, Fore Peak Tank, After Peak Tank, Cargo Oil Tanks, Oil Fuel Bunker, Oil Fuel Deep Tank Fore, Cofferdams, Lubricating Oil Tanks in Tween Decks, + Fresh Water Tank (aft) have been listed as required by the Rules + found satisfactory.
 Oil Fuel (F.P. above 150°F.) is carried in fore D.B. Tank in Engine space, + in Fore Deep Tank (The requirements of Sect 20 of the Rules has been complied with.)
 The weather Decks, Chain Locker, + Collision Rld above Peak flat were tested + found satisfactory.
 Freeboard verified + marks cut in on Vessels' sides
 Interim Certificate issued (Copy attached.)

L.R.C.
 The amount of Entry Fee £ 11 : 0 : 0 Fees applied for, 14th July 1936
 Special Survey Fee.... £ 600 : 18 : 6 Received by me, *W.M.*
 Freeboard. Travelling Expenses, if any £ 19 : 0 : 0 22.7.36
 State whether the Vessel has been built under Special Survey *Yes* Signature *Kennedy Inglis*
 Certificate to be sent to *Greenock* Date of issue *5/8/36* Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 28 JUL 1936**

Character assigned *100 A.I.*

7.36.
Carrying Petroleum in Bulk
Lloyd's A+C.P.

Longitudinal Framing
at Bottom & at Deck.

+ L.M.C. 7.36



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Lloyd's Register Foundation

W335-0066(3/3)

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.)

This vessel is a Sister Ship to M.V. "AMASTRA." Greenock Report N° 19920.
List of Plans attached.

SPECIAL NOTATIONS:—

Cruiser Stern : Oil Engine:

Beho Sounding apparatus:

Direction Finding:

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Cwt	Qr.	Lbs	J.D.	906	13/11/35.
	2nd "	43	0	14.	J.D.	848	9/10/35.
	3rd "	42	2	16.	J.D.	892	5/11/35.

PARTICULARS FOR RECORD in the REGISTER BOOK. {Length of Poop at side 89.8' at B. 93.02' ft., R.O.D. ft., {at side 42.13' Bridge at B. 46.13' ft., Forecastle 48.02 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (This information is to be given as it should appear in the Register Book) 1 DECK 2ND DECK CLEAR OF CARGO TANKS.

Official No. 164649 : Signal Letters Is bottom of Vessel coated with cement PEAKS ONLY if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

PARTICULARS OF WATER BALLAST.

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		143
Double bottom, under Engines and Boilers,			After peak tank,		94
Double bottom, if under Engines only,	69.19	167	Deep tank, aft,	24.75	280.6
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom		167	(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. 3368

Date 16th August 1935.

Dates of Surveys held while building

(1933) Aug. 4. 13. 16. 26. 28. 29. SEPT. 4. 10. 11. 12. 13. 16. 17. 18. 19. 20. 25. 26. 27. 30. OCT. 1. 2. 3. 4. 7. 8. 9. 10. 11. 15. 16. 18. 22. 23. 24. 30. NOV. 1. 4. 5. 6. 7. 8. 11. 12. 13. 14. 15. 19. 20. 21. 22. 26. 27. 28. DEC. 2. 4. 6. 10. 13. 16. 17. 18. 19. 24. 27. 30. (1936) JAN. 6. 8. 10. 13. 15. 16. 17. 20. 23. 24. 28. 29. 30. 31. FEB. 4. 6. 7. 10. 11. 12. 13. 14. 17. 18. 19. 20. 21. 24. 25. 26. 27. 28. MAR. 2. 3. 4. 5. 6. 7. 9. 10. 11. 12. 13. 14. 16. 17. 18. 19. 20. 23. 24. 25. 26. 27. APR. 9. 14. MAY 11. 29. JUNE 2. 25. 26. 29. JULY 2. 8. 9.

Total No. of Visits 121