

State if Report is sent on the Machinery of the Vessel..... No

Survey held at Hong Kong. Date First Survey 12th January, 1954 Last Survey 3rd April, 1954

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel Single Screw Tanker "FRENULINA" Machinery Aft.

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)..... Full Scantling. State Type of Erections Poop & Forecastle.

TONNAGE under } 702.18
Tonnage Deck ... }

CLASS +100A1 State if with freeboard } No
as condition of Class }

Built at Hong Kong.

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

Length from fore part of stem to after part of stern } FEET
post on summer L.W.L. See Sec. 3 (1a) } L 218.46

Undocked
~~Enclosed~~ 9-4-54 Yard No. -

Total

Depth, at middle of length from top of keel to top)

Builders A. & J. Inglis Ltd.
Lengthened by The Hongkong &
Whampoa Dock Co. Ltd., HongKong.

Gross Tonnage 1037.52

of beam at side of uppermost continuous } D. 14.75
deck. See Sec 3 (1c)

Owners Anglo-Saxon Petroleum Co. Ltd.

Register Tonnage 477.03

1st Longitudinal Number (L \times D).....=

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

REGISTERED DIMENSIONS.
FEET

Length 221.70

Breadth 32.0

Depth 14.55

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 13.12

Residence -

Port of Registry London

If surveyed while building, afloat, or in dry dock
During construction of new cargo tanks &
lengthening of vessel - afloat & in dry
dock.

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.....		22½	✓								
" " from ¾ length amidships to Collision bulkhead.....		-									
" " in peaks		-									
SIDE FRAMING.											
Frame Amidships, Angle, [or]		7	3 .33	✓							
" " Extends up to.....		Upper deck									
Reversed Frame Amidships, Angle		-									
" " Extends up to		-									
Depth of Framing Girder.....		7									
Frames in Uppermost Continuous 'tween Decks, Angle, [or]		-									
" " Second 'tween Decks, Angle, [or]		-									
" " Third " " " "		-									
" " from ½ len. for'd. to 15% len. from Stem		-									
" " in Peaks, Angle or [.....		-									
Diameter and Spacing of Rivets through Frame and Shell Plating amidships		4 4½	✓	4½ approved							
State if Frame Joggled.....		Yes									
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?		Yes									
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?		Yes									
SINGLE BOTTOM.											
Floors, Depth and thickness at mid-line in Holds.....		Longitudinal framing on bottom.	✓								
Height of Brackets at side above base line at toe of frame.....											
Middle Line Keelson, on Floors, Angles, [or]											
" " " Through Plate or Intercostal Plate											
" " " Foundation Plate on Floors											
" " " Flat Plate Keel Angles											
Side Keelsons, No. each side.....		-									
" " thickness of Intercostal Plate.....		-									
" " Angles		-									
DOUBLE BOTTOM.											
Solid Floors, thickness and spacing		-									
" " Are Frame and Reversed Frame joggled?		-									
Bracket Floors, breadth and thickness at middle line		-									
" " breadth and thickness at margin plate.....		-									
Bracket Floors, Frame		-									
" " Reversed Frame.....		-									
" " Vertical Struts		-									
Centre Girder, depth and thickness amidships		-									
" " top Angles		-									
" " bottom Angles.....		-									
Side Girders, No. each side and thickness.....		-									
Margin Plate depth (excl. of flange) and thickness		-									
" " Vertical Angle to Tank side Bracket abaft ½ len. from stem		-									
" " Vertical Angle to Tank side Bracket from forward ½ len. from stem to Panting Area		-									
" " Gussets, spacing and scantling abaft ½ len. from stem.....		-									
" " Gussets, spacing and scantling from forward ½ len. from stem to Panting Area		-									
Tank Side Brackets, height above base line at toe of Frame and thickness		-									
INNER BOTTOM PLATING.											
Breadth and thickness of Middle Line Strake.....		-									
Thickness of remainder in Holds		-									
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?.....		-									
BEAMS.											
Uppermost Continuous Deck, amidships in Wells, Angle, [or]		Longitudinal beams	✓								
" " in way of Bridge, Angle, [or]		in cargo tanks									
" " Spacing		-									
Second Deck, amidships, Angle, [or]		-									
" " Spacing		-									
Third Deck, amidships, Angle, [or]		-									
" " Spacing.....		-									
Fourth Deck, amidships, Angle, [or]		-									
" " Spacing.....		-									
Poop Deck, Angle, [or]		-									
" " Spacing.....		-									
Bridge Deck, Angle, [or]		-									
" " Spacing.....		-									
Forecastle Deck, Angle, [or]		-									
" " Spacing.....		-									

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		-									
,, in 'tween Decks, Size and Spacing		-									
,, ,, ,, ,, ,,		-									
,, in Holds ,, ,, ,,		-									
,, ,, ,, ,, ,,		-									
Centre Line Bulkhead.		9	31	.40	BA.						
Stiffeners and Spacing		22 1/2									
Plating, thickness of36	32								
STRINGERS AND DECKS.											
Uppermost Continuous Deck.											
Stringer Plate, breadth and thickness in Wells		53	.43								
,, ,, ,, ,, in way of Bridge		53	.50	(not on plan)							
,, Angle in Wells		6	6	.45							
Trunk Top & Sides											
Thickness of Plating abreast Deck openings in way of Wells35									
Thickness of Plating abreast Deck openings in way of Bridge		-									
Thickness of Plating within line of openings		-									
If Sheathed, material and thickness		-									
Second Deck.											
Stringer Plate, breadth and thickness in Wells		-									
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		-									
If Plated, state thickness		-									
Poop Deck.											
Stringer Plate, breadth and thickness		-									
Plating, Sheathing, material and thickness		-									
Bridge Deck.											
Stringer Plate, breadth and thickness		-									
Plating, Sheathing, material and thickness		-									
Forecastle Deck.											
Stringer Plate, breadth and thickness		-									
Plating, Sheathing, material and thickness		-									

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		Eleven 10.					
Extending to Upper Deck (Sec. 3 c)							
Deck next below							
As per Rule		Three					
		Plating Thickness.	STIFFENERS.				
			VERTICAL.		HORIZONTAL.		
			Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D,	Upper 'tween decks						
"	" Second "						
"	" Third "						
"	" Hold Cargo Tanks	.36	9"x3 1/2"x.46	30	-	-	
COLLISION	" (in Hold)						
AFTER PEAK	"						

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar				
STEM				
STERN { Propeller Post				
FRAME { Rudder „				
Speed of Vessel				
RUDDER—Type				
„ A × D.....				
„ Diam. of head				
„ Mainpiece at top pintle				
„ „ heel ...				
„ how constructed				
„ double or single plate				
„ coupling, vertical or				
„ horizontal				

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Cargo Tanks.
David Cameron & Co. Conset Iron Co. Ltd. Open hearth process.
Has the Steel been tested as required by the Rules? Yes.

EQUIPMENT No.

LETTER m

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.			
75989	1st Bower	23	1	21	✓			23	10	0	0	Challenge Pattern C.S. Head.	N. Hengley & Sons.	Cradley Heath 18-1-54
49899	2nd "	21	1	16	✓			22	0	0	0	Byers Improved Type C.S. Head.	W. L. Byers & Co. Ltd.	Sunderland 29-8-46
48601	3rd "	21	1	9	✓			21	18	0	14	- Ditto -	- Ditto -	F. W. Dovey. Sunderland 29-10-45
	Collective weight	66	0	18										
	Stream													

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.	
	Fathoms.	Diam.		Supplied.	Per Rule.	Supplied.	Per Rule.	Fathoms.	Diam.					Fathoms.	Ins.		Fathoms.	Ins.
91685	30 1/2	1 3/8	✓	34 51	29-0-23	✓				Stud Link	Not stated	Cradley Heath 21-1-54	TOWLINE					
88856	15	1 3/8	✓	34 51	14-2-4	✓				"	"	Cradley Heath 27-1-53						
111668A	15	1 3/8	✓	34 51	14-2-25	✓			240	1 3/8	N. Hengley & Sons Ltd.	H. Phillips. Netherton 9-9-40	HAWSERS & WARPS					
Original Equip 2991	180	1 3/8 Cir.	✓	34 51	- - -					"	Not stated	J. A. Relf. Netherton 22-10-45						
Iron Stream Chain or Steel Wire																		

Steering Gear, Type (Power or hand) - Alternative Means of Steering -Steering Chains (Size and Test) - Windlass - Boats -Ceiling in Holds, thickness and material - Cargo Battens, thickness, material and spacing -Tank Cargo/Hatchways.-(Upper Deck) 8 off. 5'-0" x 3'-9" Thickness of Hatches Steel covers.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 ✓ 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 Motor Vessel.
(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).

The vessel was cut in the cofferdams forward and abaft the cargo tanks and the cargo tanks were discarded. New cargo tanks, including an additional tank, were constructed under Special Survey and joined to the forward and after portions which have been Specially Surveyed and repaired at this time. All new construction and repairs were carried out in conformity with the Society's Rules and Regulations and Secretary's letters. The scantlings and arrangements, including all hatchways, companionways and other significant openings in the strength decks, as fitted, are as shown on the approved plans of midship section upper deck and trunk top plating forwarded with the C 11 Report. ✓

The Special Survey has now been completed to my satisfaction.

The amount of Entry Fee..... Charged on Rpt. 8 } Fees applied for,
Special Survey Fee..... £ : : } 19
Travelling Expenses, if any £ : : } Received by me, 19

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed +100A1
Carrying petroleum in bulk.Cargo Tanks have
State whether the Vessel ~~has~~ been built under Special Survey YesSignature James Alanderson
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to..... Date of issue.....

Committee's Minute

THURSDAY 17 JUN 1954

Character assigned

See Hkg rpt 8 No 11993



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Lloyd's Register
Foundation

00823

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. Ins.	Speng. Ins.		Number.	Diameter. Inches.
aming of EXL XX	12	3 1/2	.45	10	3 1/2	.45	forward. .40 amidships approved	3/4	4 1/2	3	12	7/8
ames in Bridge 'tween Decks ...												
ames from Uppermost Continuous Deck												
No. 1												
" 2												
" 3												
" 4												
" 5												
" 6												
" 7												
" 8												
" 9												
" 10												
" 11												
" 12												
" 13												
" 14												
" 15												
" 16												
Spacing of Longitudinal Frames	30											
Amidships												
At Ends	30											
uble { Tank Top Longitudinals												
toms { Bottom												
or [" Amidships												
ing of Longitudinals { At ends...												
Transverses.												
Side { Depth and Thickness												
ween Decks) { Face Angles												
{ Lugs to Shell*												
Side { Depth and Thickness												
in Hold) { Face Angles												
{ Lugs to Shell*												
Bottom { Depth and Thickness	28			forward								
{ Face Angles	30			.40								
{ Lugs to Shell*	6			flange								
Transv. { Lugs to Shell*	6	6	.36				D.R.	3/4	3 1/2			
Back Bars { Transv. { Lugs to Shell*	5	3	.36					7/8	4 1/2			
Brackets	3	3	.30					7/8	2 1/2			
Spacing of Transverse Frames	21	21	.40									
* State if joggled or liners.	11 1/2			90"								
Longitudinal Beams of												
Trunk Bridge Deck	7	3 1/2	.40				Spacing.	30		Plate.	Face Angles.	Any departure from Approved Plans to be Noted.
Upper "	7	3 1/2	.40					30		.35	4" flange	Trunk top
Second "										.40	6" flange	
Third "												

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., 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, &c., 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.)

Approved plans forwarded herewith:

- Midship Section.
- Extension to Upper Deck & Trunk Top Plating.
- Shell Expansion.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of shell, deck, trunk and bulkhead plating welded in way of cargo tanks. Longitudinal bulkhead welded to keel. Trunk side plating welded to deck and trunk top. Bilge brackets welded to shell plating.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Machinery Aft. Cruiser Stern. Longitudinal framing at bottom, deck and trunk top. Part electric welded. Cargo tanks renewed 4,54. Carrying petroleum in bulk.

RADAR Equipment (State if fitted) No State Type or Pattern No. State Name of Maker and/or Supplier

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 12 cwts. 2 grs. 2 lbs. A.E.G. 8390 21st December, 1953.
	2nd „ 12 cwts. 3 grs. 12 lbs. J.H.J. 7490 8th February, 1946.
	3rd „ 13 cwts. 0 grs. 0 lbs. A.E.G. 7675 13th July, 1945

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. Official No. 169457 Signal Letters G K S W Extreme Breadth over Belting (Circ. 1611) 22.3 Over-all Length (Circ. 1703) 229.58 No. and Material of Decks One Steel. Parts of Bottom of Vessel coated with cement or approved composition. 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,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
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. Date. Dates of Surveys held while building January 12th & 23rd. February 2nd, 6th, 9th, 11th, 15th, 18th, 22nd & 27th. March 1st, 3rd, 9th, 10th, 13th, 16th, 17th, 18th, 19th, 22nd, 26th 31st. April 2nd, 3rd. Total No. of Visits 24

