

OIL BARGE
STEEL STEAMER OR MOTORSHIP.

Received at London Office

9 SEP 1931

State if Report has been sent on the Freeboard of the Vessel NoneState if Report is sent on the Machinery of the Vessel NoneDate of completion of report August 4th 1931 Port of Hongkong No. 6729
Survey held at Hongkong Date First Survey Feb. 24th 1931 Last Survey August 1st 1931On the (State if Machinery fitted with or without Tonnage Opening) Steel non-propelling oil barge "SHELL"State Type (Full Scantling, Complete Superstructure with or without Tonnage Opening) Oil TankerState Type of Erections NoneTONNAGE under Tonnage Deck... 294.94CLASS +A1 Barge for being towed, Service, Draught not to exceed 9' 11" State if with freeboard as condition of Class ☒

FEET.

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 129.0Breadth (greatest moulded) B 25.5Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 11.51st Longitudinal Number (L x D) = 1483.52nd Numeral L x (B + D) = 4773Framing Depth "d," at middle of length. See Sec. 3 (1d) 10.375Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.217
Do. Long Bridge to top of keel ☒Draught Moulded 9' 11"Built at HongkongLaunched 20th July 1931 Yard No. 694Builders Hongkong & Whampoa Dock Co LtdOwners Asiatic Petroleum Co (South China) LtdManagers ☒

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

Residence HongkongPort of Registry HongkongIf surveyed while building, afloat, or in dry dock yes

REGISTERED DIMENSIONS.

FEET.

Length 129.75Breadth 25.6Depth 10.9

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	<u>21 1/2</u>		Bracket Floors, Frame	<input checked="" type="checkbox"/>	
" " from 1/3 length to Collision bulkhead	<u>21 1/2</u>		" " Reversed Frame	<input checked="" type="checkbox"/>	
" " in peaks	<u>21 1/2</u>		" " Vertical Struts	<input checked="" type="checkbox"/>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<input checked="" type="checkbox"/>	
Frame Amidships, Angle, [or]	<u>4 2 1/2 .34</u>		" " top Angles	<input checked="" type="checkbox"/>	
" " Extends up to	<u>Upper deck</u>		" " bottom Angles	<input checked="" type="checkbox"/>	
Reversed Frame Amidships, Angle	<input checked="" type="checkbox"/>		Side Girders, No. each side and thickness	<input checked="" type="checkbox"/>	
" " Extends up to	<input checked="" type="checkbox"/>		Margin Plate depth (excl. of flange) and thickness	<input checked="" type="checkbox"/>	
Depth of Framing Girder	<u>4</u>		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<input checked="" type="checkbox"/>	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	<input checked="" type="checkbox"/>		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<input checked="" type="checkbox"/>	
" " Second 'tween Decks, Angle, [or]	<input checked="" type="checkbox"/>		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<input checked="" type="checkbox"/>	
" " Third " " "	<input checked="" type="checkbox"/>		" " Gussets, spacing and scantling forward 1/2 len. from stem	<input checked="" type="checkbox"/>	
Framing in Peaks, Angle or [<u>4 2 1/2 .30</u>		Tank Side Brackets, height above base line at toe of Frame and thickness	<input checked="" type="checkbox"/>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>3/4 4 1/8</u>		INNER BOTTOM PLATING.		
State if Frame Joggled	<u>yes</u>		Breadth and thickness of Middle Line Strake	<input checked="" type="checkbox"/>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<input checked="" type="checkbox"/>		Thickness of remainder in Holds	<input checked="" type="checkbox"/>	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<u>Extra side keelson</u>		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?	<input checked="" type="checkbox"/>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<u>13 1/2 .32 flanged 2 1/2" top</u>		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	<u>4 2 1/2 .34</u>	
Height of Brackets at side above base line at toe of frame	<u>27</u>		" " in way of Bridge, Angle, [or]	<u>11 x 30, face for 4 x 3 x .32 Deck down bar 3 x 3 x .34</u>	
Middle Line Keelson, on Floors, Angles, [or]	<u>C.L. Bulkhead</u>		Spacing	<u>Every frame</u>	
" " Through Plate or Intercoastal Plate	<input checked="" type="checkbox"/>		Second Deck, amidships, Angle, [or]	<input checked="" type="checkbox"/>	
" " Foundation Plate on Floors	<input checked="" type="checkbox"/>		Spacing	<input checked="" type="checkbox"/>	
" " Flat Plate Keel Angles	<u>3 3 .40 double</u>		Third Deck, amidships, Angle, [or]	<input checked="" type="checkbox"/>	
Side Keelsons, No. each side	<u>one</u>		Spacing	<input checked="" type="checkbox"/>	
" " thickness of Intercoastal Plate	<u>.30 flanged to shell</u>		Fourth Deck, amidships, Angle, [or]	<input checked="" type="checkbox"/>	
" " Angles	<u>4 3 .30 double</u>		Spacing	<input checked="" type="checkbox"/>	
DOUBLE BOTTOM.			Peep Deck, Angle, [or]	<u>5 1/2 3 .32</u>	
Solid Floors, thickness and spacing	<input checked="" type="checkbox"/>		Spacing	<u>Every frame</u>	
" " Are Frame and Reversed Frame joggled?	<input checked="" type="checkbox"/>		Bridge Deck, Angle, [or]	<input checked="" type="checkbox"/>	
Bracket Floors, breadth and thickness at middle line	<input checked="" type="checkbox"/>		Spacing	<input checked="" type="checkbox"/>	
" " breadth and thickness at margin plate	<input checked="" type="checkbox"/>		Forecastle Deck, Angle, [or]	<u>5 1/2 3 .32</u>	
			Spacing	<u>Every frame</u>	

PILLARS AND DECKS.

PILLARS, No. of Rows	INCHES IN SHIP.		ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	INCHES IN SHIP.		ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.
Chas. of Tanks, Ford 1 row, solid 2 1/2" O.T. frames.						
" in 'tween Decks, Size and Spacing.....						
" " " " " "						
" in Hold <i>Cargo tanks, one each at Web.</i>						
" " " " " "						
" " " " " "						
Centre Line Bulkhead.						
Stiffeners and Spacing.....	4	2 1/2	34 Every frame			
Plating, thickness of	30		Web @ Centre ed tank 11 x 30			
	34		face bar 4 x 3 x 32, Conn. bar 3 x 3 x 34			
STRINGERS AND DECKS.						
Uppermost Continuous Deck.						
Stringer Plate, breadth and thickness in Wells	24	36	Horizontal girder			
" " " " in way of Bridge	18	32	face bar 4 x 3 x 32			
" " " " " "			Conn. bar 3 x 3 x 34			
" Angle in Wells	4 1/2	4 1/2	36 in way O. Tanks			
	3	3	28 clear of "			
Thickness of Plating abreast Deck openings in way of Wells	30					
Thickness of Plating abreast Deck openings in way of Bridge						
Thickness of Plating within line of openings...	30					
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 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.....	18	28				
Plating, Sheathing, material and thickness ...	26	2	Tank port side only			

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.									
FLAT PLATE KEEL	38	44	40	40		Double	3/4	2 5/8	Three	3/4	2 5/8	lapped	
.. DELG. (if any)						Double in O. Tanks	5/8	2 3/16	Two	5/8	2 3/16	lapped	
BOTTOM PLATING, No. of Strakes ... J.W.A.)		34	30	30		Single clear "	5/8	2 1/2	Two	5/8	2 3/16	"	
BILGE PLATING, No. of Strakes ... R.W.E.)		34	30	30		D. in O. Tanks	3/4	2 5/8	Two	5/8	2 3/16	"	
SIDE PLATING, No. of Strakes ... J.W.A.)	one	38	30	30		Single clear "	5/8	2 1/2	Two	5/8	2 3/16	"	
UPPER DECK, Sheer-strake in Wells.....	one	34	30	30		D. in O. Tanks	3/4	2 5/8	Two	5/8 + 3/4	2 3/16 + 2 5/8	"	
UPPER DECK, Sheer-strake in Bridge ...	43	38	30	30		Single clear "	5/8	2 1/2	Two	5/8	2 3/16	"	
STRAKE BELOW Sheer-strake in Wells.....						D. in O. Tanks	3/4	2 5/8	Two	3/4	2 5/8	"	
STRAKE BELOW Sheer-strake in Bridge ...						Single char "	3/4 + 5/8	2 5/8 + 2 1/2	Two	5/8	2 3/16	"	
POOP SIDE PLATING							✓						
BRIDGE SIDE PLATING ...							✓						
FORECASTLE SIDE PLATING							✓						

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) *Two W.T.; Four O.T.*

" Deck next below *one longitudinal O.T. in Tanks*

As per Rule *✓*

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
O.T. @ frames 18, 30	30	4 x 2 1/2	34	one Horizontal girder	
MIDSHIP BULKH'D, Upper tween decks	34	4 x 2 1/2	34	11 x 38 plate	
" " Second "				4 x 3 x 32 face bar	
" " Third "				3 x 3 x 34 conn. bar	
" " Holds				approved re	
7 1/2" 65 COLLISION " (in Hold)	26	4 1/2 x 3 x 32	30		
	28	5 x 3 x 32	24		
	32	6 x 3 x 38	24		
AFTER PEAK " "	26				
	32				

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	✓	Forging 5 3/4 x 1 1/8 Builders		
STERN FRAME { Propeller Post				
{ Rudder "		5 3/4 x 1 1/4		
RUDDER—A x D.....	61.6			
Speed of Vessel.....	✓			
RUDDER mainpiece at head ...	4" dia.			
" " heel ..	3" dia.			
" how constructed ...	3. Built Alms.			
" double or single plate	Single			
" coupling, vertical or	none			
" horizontal.....				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *O. H. Steel**Steel Co. of Scotland, Dorman Long, Consett Iron Co.*Has the Steel been tested as required by the Rules? *yes*

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EQUIPMENT No. 4773										LETTER <i>leave out</i>			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.				
33616	1st Bower	7	2	0	Stockless			9	13	3	0		Byer's Improved	✓	Sunderland 20-2-31
33617	2nd "	7	1	21	"			9	13	3	0		Stockless	✓	J. H. Butler
33618	3rd "	7	2	7	"			9	15	3	21		"	✓	"
	Collective weight.	22	2	0											
46063	Stream	2	1	4			2 8	4	15	0	0	294 <i>for 29</i>	Ordinary Forged Wrought Iron	-	Cradley Heath 9-2-31 S.C. Paul

CHAIN CABLES.													HAWERS 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.	Length.	Diam.	Length.					Cir.	Length.		Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
45619	165	7/8	13 3/4	20 13/20	68.	0.	0	For 9 1/2 65 1/4	165	1 1/8	Shed Link	✓	Cradley Heath 9-2-31 S.C. Paul	TOWLINE...	75	2 1/4	9.5	✓	✓
17025	1	End shackle (1 1/4 dia)			10 1/2			mark	16-17.	30	HP-S	17025.	13	15-0-0.	HAWSERS & WARPS	90	4"	Hemp	
17026	1	"	"		- do -			"	"	"	"	17026.	"	"					
45662		Cir.												"					
Iron Stream Chain or Steel Wire	45	5/8	7	10 1/2	9.	3.	12	- 9 3/4	✓	✓	Shed Link	✓	"	"					

Steering Gear, Steam ☒ Steering Gear, Hand *Builders*

Boats *one 16' x 5' 7 1/2' x 2' 3'* Steering Chains, Size and Test *5/8" to Rule Requirements* Windlass *Hand - Builders*

Ceiling in Holds, thickness and material ☒ Cargo Battens, thickness, material and spacing ☒

Cargo Hatchways.-(Upper Deck) *O.T.* Thickness of Hatches *26 Steel covers*

Size of No. 1 Hatchway (Forward) ☒ No. 2 ☒ No. 3 ☒ No. 4 ☒ No. 5 ☒ No. 6 ☒

Number of Shifting Beams and/or Fore and Afters ☒

Builder's Signature *R. Dyer*

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *engine* (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.

Fuel oil is carried in separate tank in pump room flash point above 150° F. Tank & its connections made & fitted in accordance with the Rule requirements.

This vessel has been built in accordance with the approved plans & instructions, the materials have been tested by the Surveyor to this Society & the workmanship, is, in my opinion, satisfactory. The spacing of rivets is in accordance with the Rules.

The cargo pumping arrangements were carried out as shown on the approved plan of the Sister vessel "Shell X1", & a 2" power bilge suction is arranged in the pump room connected to the cargo oil pump & to the air pump; 2 1/2" suction are fitted in Fore & aft peaks & Crew's space, connected to a duplex hand pump, this pump has also one length flexible suction hose.

All tanks, bulkheads & decks etc. were tested to rule requirements.

A horizontal line, with the letters L.R., was marked on the vessel's sides & cut in, at a height corresponding to a draught of 9'-11", no dice or statutory deck line marked.

The amount of Entry Fee £6 / 2p. 123 Fees applied for, *Aug. 1st 1931*

Special Survey Fee.... £91-16/- = £874 Received by me, *30-9-1931*

Travelling Expenses, if any £ : £100 *£2097*

State whether the Vessel has been built under Special Survey *yes*

Certificate to be sent to *Builder* Date of issue *15/9/31*

I am of opinion the Vessel should be Classed **+A- Barge** for being towed, For River & Estuary Service, Draught not to exceed 9'-11" with notations Carrying Petroleum in Bulk F.P. above 150° F. and LLOYDS A & C.P.

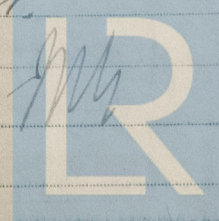
Signature *J. L. Morrison*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute / TUE. 15 SEP 1931

Character assigned *+ A 1*
Barge for being towed
For River & Estuary Service, draught not to exceed 9'-11"
Carrying oil fuel in bulk flash point above 150° F.
Lloyd's acc.

Write *AKK*
Cert & Sub. vessel Shell X1
(Ln 23-1-31)

The Surveyor's report, completed and signed, is to be sent to the Committee's Minute.



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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.)

Sister vessel:—“Shell XI”, Hongkong report No. 6644.

Plans approved Kobe, copies in London Office.

Plan of midship section of vessel as built + forging report enclosed herewith.

The vessel has been prepared for towing to Wellington, N.Z. where it is stated she will be handed over to the New Zealand Branch of the A.P. Co. + it is expected that the Port of Registry will be changed. All ventilator coverings have been plugged, hatches, doors + windows secured + protected.

There will be no crew on board during the voyage.

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

1st Bower	4.1.0	K.H.	9028	28.1.31.
2nd „	4.1.2	K.H.	9030	28.1.31.
3rd „	4.1.11.	K.H.	9027	28.1.31.

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 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) one steel

Official No. _____; Signal Letters ☒ Is bottom of Vessel coated with cement no if not give particulars of composition ☒

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<input checked="" type="checkbox"/>		Fore peak tank,	<input checked="" type="checkbox"/>	
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>		After peak tank,	<input checked="" type="checkbox"/>	
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>		Deep tank, aft,	<input checked="" type="checkbox"/>	
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>		Deep tank, forward,	<input checked="" type="checkbox"/>	
Double bottom, forward,	<input checked="" type="checkbox"/>		Other tanks, if fitted,	<input checked="" type="checkbox"/>	
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		<input checked="" type="checkbox"/>

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

Order for Special Survey No. _____

Date 11th Mar 1931

Dates of Surveys held while building

1931

Feb. 24, 27, Mar. 10, 27, April 10, 15, 23, 29, May 2, 5, 6, 9, 13, 16, 18, 30, 26, 28, June 1, 8, 13, 16, 18, 20, 23, 24, 27, July 2, 4, 10, 14, 20, 22, 24, 28, Aug. 1st.

Total No. of Visits 36