

## STEEL STEAMER or MOTORSHIP.

FEB 22 1939

Received at London Office

BARGE.

State if Report has been sent on the Freeboard of the Vessel *yes.*State if Report is sent on the Machinery of the Vessel *None.*

Date of completion of report

*February 1939.*Port of *Leith*No. *19789.*

Survey held at

*Leith*

Date First Survey

*17<sup>th</sup> October 1938.*

Last Survey

*17<sup>th</sup> February**1939.*

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

*"KAVAR" (Barge non-propelling.)*

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

*A-Barge "For Coastal Service in the Persian Gulf"*

State Type of Erections

TONNAGE under Tonnage Deck

*280.12*

CLASS

*100A-*

State if with freeboard

*yes.*

Built at

*Leith*

No. 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 160.0*

Launched

*8<sup>th</sup> February/39*Yard No. *285.*

Total

*280.12*

Breadth (greatest moulded)

*B 25.0*Builders *Messrs Henry Robb, Ltd.*

Gross Tonnage

*309.33*

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

*D 8.5*Owners *Petroleum S.S. Co. Ltd.*

Register Tonnage

*309.33*

1st Longitudinal Number (L x D)

*= 1360.1*

Managers

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

2nd Numeral L x (B + D)

*= 5360.1*Residence *London.*

## REGISTERED DIMENSIONS.

FEET.

Length

*160.0*

Breadth

*25.2*

Depth

*7.75*

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

*18.8*Port of Registry *London (British.)*

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

*Do. Long Bridge to top of keel*

If surveyed while building, afloat, or in dry dock

Draught Moulded

*6.0**while building. + afloat.*

## 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.
<b>FRAMES, Spacing amidships</b>	<i>24.</i>	<input checked="" type="checkbox"/>	<b>Bracket Floors, Frame</b>		
" " from $\frac{3}{8}$ length amidships to Collision bulkhead	<i>24.</i>	<input checked="" type="checkbox"/>	" " Reversed Frame		
" " in peaks	<i>24 &amp; FRAMES 77 to 79 - 21.</i>	<input checked="" type="checkbox"/>	" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>		
Frame Amidships, Angle, <i>E or F</i>	<i>4 2 1/2 28</i>	<input checked="" type="checkbox"/>	" " top Angles		
Extends up to	<i>FROM LOWER TURN OF BILGE. To DECK.</i>	<input checked="" type="checkbox"/>	" " bottom Angles		
<b>WEB FRAMES 15" x 28. FACE L.</b>	<i>2 1/2 2 1/2 28</i>	<input checked="" type="checkbox"/>	<b>Side Girders, No. each side and thickness</b>		
Reversed Frame Amidships, Angle	<i>SPACING AS PER PROFILE PLAN. DECK.</i>	<input checked="" type="checkbox"/>	<b>Margin Plate</b> depth (excl. of flange) and thickness		
Extends up to	<i>DECK.</i>	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side		
<b>Depth of Framing Girder</b>	<i>4</i>	<input checked="" type="checkbox"/>	Bracket abaft $\frac{1}{4}$ len. from stem		
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b>	<i>✓</i>	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side		
<b>Second 'tween Decks, Angle, [ or ]</b>	<i>✓</i>	<input checked="" type="checkbox"/>	Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
<b>Third " " " "</b>	<i>✓</i>	<input checked="" type="checkbox"/>	Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
<b>from <math>\frac{1}{4}</math> len. for'd. to 15% len. from Stem</b>	<i>4 2 1/2 28</i>	<input checked="" type="checkbox"/>	" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		
<b>in Peaks, Angle or [</b>	<i>4 2 1/2 28</i>	<input checked="" type="checkbox"/>	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	<i>5/8, 7/16 &amp; 1/2</i>	<input checked="" type="checkbox"/>	<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	<i>YES.</i>	<input checked="" type="checkbox"/>	Breadth and thickness of Middle Line Strake		
Are the scantlings and arrangements in the <b>Panting Area</b> in accordance with the Rules and/or as approved?	<i>✓</i>	<input checked="" type="checkbox"/>	Thickness of remainder in Holds		
Are the scantlings and arrangements in way of the <b>Bottom Forward</b> in accordance with the Rules and/or as approved?	<i>✓</i>	<input checked="" type="checkbox"/>	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?		
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b>	<i>12 x 3 1/2 x 3 1/2 40</i>	<input checked="" type="checkbox"/>	<b>Uppermost Continuous Deck, amidships</b>	<i>5 3 28</i>	<i>4 1/2 x 2 1/2 28</i>
Height of Brackets at side above base line at toe of frame	<i>✓</i>	<input checked="" type="checkbox"/>	in Webs, Angle, <i>E or F</i>	<i>EVERY FRAME.</i>	<i>EVERY FRAME.</i>
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b>	<i>3 1/2 3 36</i>	<input checked="" type="checkbox"/>	<b>HALF BEAMS.</b>	<i>3 2 1/2 30</i>	<i>EVERY FRAME.</i>
" " " Through Plate or Intercostal Plate	<i>30</i>	<input checked="" type="checkbox"/>	in way of Bridge, Angle, <i>E or F</i>	<i>24.</i>	
" " " Foundation Plate on Floors	<i>✓</i>	<input checked="" type="checkbox"/>	Spacing		
" " " Flat Plate Keel Angle	<i>3 1/2 3 1/2 30</i>	<input checked="" type="checkbox"/>	<b>Second Deck, amidships, Angle, [ or ]</b>		
<b>Side Keelsons, No. each side</b>	<i>ONE.</i>	<input checked="" type="checkbox"/>	Spacing		
" " thickness of Intercostal Plate	<i>26</i>	<input checked="" type="checkbox"/>	<b>Third Deck, amidships, Angle, [ or ]</b>		
" " Angles	<i>5 3 40</i>	<input checked="" type="checkbox"/>	Spacing		
<b>DOUBLE BOTTOM.</b>			<b>Fourth Deck, amidships, Angle, [ or ]</b>		
<b>Solid Floors, thickness and spacing</b>	<i>2 1/2 2 1/2 26</i>	<input checked="" type="checkbox"/>	Spacing		
" " Are Frame and Reversed Frame joggled?	<i>✓</i>	<input checked="" type="checkbox"/>	<b>Poop Deck, Angle, [ or ]</b>		
<b>Bracket Floors, breadth and thickness at middle line</b>	<i>✓</i>	<input checked="" type="checkbox"/>	Spacing		
" " breadth and thickness at margin plate	<i>✓</i>	<input checked="" type="checkbox"/>	<b>Bridge Deck, Angle, [ or ]</b>		
			Spacing		
			<b>Forecastle Deck, Angle, [ or ]</b>		
			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.	
<b>PILLARS, No. of Rows... IN. PEAKS... ONLY...</b>		5	3	28	✓						
<b>ALTERNATE FRAMES ON CENTRE LINE.</b>											
" in 'tween Decks, Size and Spacing.....											
" " " " " "											
" in Holds " "											
" " " " " "											
<b>Centre Line Bulkhead.</b>											
Stiffeners and Spacing.....											
Plating, thickness of .....											
<b>STRINGERS AND DECKS.</b>											
<b>Uppermost Continuous Deck.</b>											
Stringer Plate, breadth and thickness in Wells		33	36	25	✓	<b>BREATH APPROVED 30.</b>					
" " " " in way of Bridge		✓									
" Angle in Wells .....		3 1/2	3 1/2	25	✓						
Thickness of Plating abreast Deck openings in way of Wells .....				25	✓						
Thickness of Plating abreast Deck openings in way of Bridge .....				THROUGHOUT.	✓						
Thickness of Plating within line of openings...				✓							
If Sheathed, material and thickness .....				✓							
<b>Second Deck.</b>											
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 Wells .....											
Thickness of Plating abreast Deck openings in way of Bridge .....											
Thickness of Plating within line of openings...											
If Sheathed, material and thickness .....											
<b>Third Deck.</b>											
Stringer Plate, breadth and thickness.....											
If Plated, state thickness.....											
<b>Fourth Deck.</b>											
Stringer Plate, breadth and thickness.....											
If Plated, state thickness .....											
<b>Poop Deck.</b>											
Stringer Plate, breadth and thickness .....											
Plating, Sheathing, material and thickness ...											
<b>Bridge Deck.</b>											
Stringer Plate, breadth and thickness.....											
Plating, Sheathing, material and thickness ...											
<b>Forecastle Deck.</b>											
Stringer Plate, breadth and thickness.....											
Plating, Sheathing, material and thickness ...											

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. BOTTOM ONLY.							
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.		No. of Rows of Rivets.	BUTTS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.		Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL .....	42.	44	40	40	APPROVED. 37 to 40 to 36	Double	3/4	3	Treble to Double	3/4	2 5/8	Lapped.	
" DBLG. (if any)	4.	52	36	32	32 to 28	Single & Double	3/4	3	Double	3/4	2 5/8	Lapped.	
BOTTOM PLATING, No. of Strakes .....	58	36	32	32	32 to 28	Single	3/4	3	Double	3/4	2 5/8	Lapped.	
BILGE PLATING, No. of Strakes .....	50	36	32	32	32 to 28	Single	5/8	2 1/2	Double	5/8	2 1/4	Lapped.	
SIDE PLATING, No. of Strakes .....													
UPPER DECK, Sheer-strake in Wells .....	43	38	28	28		Single	5/8	2 1/2	Double	5/8	2 1/4	Lapped.	
UPPER DECK, Sheer-strake in Bridge ...													
STRAKE BELOW Sheer-strake in Wells .....	43	36	28	28		Single	5/8	2 1/2	Double	5/8	2 1/4	Lapped.	
STRAKE BELOW Sheer-strake in Bridge ...													
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)

" Deck next below

As per Rule

3. Bulkheads.

3. approved.

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar</b> .....		✓		
<b>STEM</b> .....	Forging	1" x 5 1/2"	T.S. Forster & Sons Ltd.	✓
<b>STERN FRAME</b> { Propeller Post .....		✓		
{ Rudder " .....	Forging	5 1/2" x 1 1/8"	T.S. Forster & Sons Ltd.	✓
<b>Speed of Vessel</b> .....	Towing speed not exceeding 10 knots.			
<b>RUDDER—Type</b> .....	Ordinary Forging		T.S. Forster & Sons Ltd.	✓
" A x D .....		75		
" Diam. of head .....		4 1/2 dia.		
" Mainpiece at top pintle		4 1/2 dia.		
" " heel ...		3 1/2 dia.		
" how constructed .....	3 arms (forged.)		Keyed to mainpiece.	✓
" double or single plate coupling, vertical or horizontal .....	Single	58.		✓
		None.		

STEEL.

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

The Steel Company of Scotland Ltd.

Has the Steel been tested as required by the Rules?

Yes.







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.)

Report No. 19664 Lth + BARGE "KANGAN" is a sister vessel.  
Report No. 19665 Lth + BARGE "KARIND" is a sister vessel.  
Report No. 19788 Lth + BARGE "KHAMIR" is a sister vessel.

PARTICULARS OF ELECTRIC WELDING (if employed)

Electric welding confined to odd work, which does not effect the vessel's structure. ✓

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

"For Coastal Service in the Persian Gulf" ✓

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

1st Bower ✓  
2nd " ✓  
3rd " ✓

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. 167179.

Signal Letters ✓

Extreme Breadth over Belting (Circ. 1611) 26.5' ✓

Over-all Length (Circ. 1703) 166.75' ✓

No. and Material of Decks

1. Deck (steel) + web frames.

Parts of Bottom of Vessel coated with cement or approved composition

Bottom coated with Bituminous Solution + Gnameb. ✓  
peaks + cofferdams, cement. ✓

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,	13'	38. ✓
Double bottom, under Engines and Boilers,			After peak tank,	20'	87. ✓
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. 1297

Date.

25/7/38

Dates of Surveys held while building

1938 October 17<sup>th</sup>, 20<sup>th</sup>, 24<sup>th</sup> November 2<sup>nd</sup>, 7<sup>th</sup>, 16<sup>th</sup>, 21<sup>st</sup>, 24<sup>th</sup>, 29<sup>th</sup> December 1<sup>st</sup>, 7<sup>th</sup>, 15<sup>th</sup>, 23<sup>rd</sup>, 30<sup>th</sup> 1939 January 11<sup>th</sup>, 16<sup>th</sup>, 17<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup>, 21<sup>st</sup>, 24<sup>th</sup>, 25<sup>th</sup> February 1<sup>st</sup>, 3<sup>rd</sup>, 8<sup>th</sup>, 10<sup>th</sup>, + 17<sup>th</sup>.

Total No. of Visits

27.