

STEEL STEAMER or MOTORSHIP.

Received at London Office...

11 JUN 1931

State if Report has been sent on the Freeboard of the Vessel NoState if Report is sent on the Machinery of the Vessel YesDate of completion of report 13th May, 1931.Port of SHANGHAINo. 3152Survey held at SHANGHAIDate First Survey 30th July, 1930.Last Survey 6th May,1931.

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

Twin Screw Motor Vessel "HO KWANG"

(Mchy Aft)

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

State Type of Erections

TONNAGE under 536.93
Tonnage Deck...CLASS* A1 for river (State if with freeboard) No
purposes. (as condition of Class)Built at SHANGHAIDo. 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)

FEET.

Launched 14-2-31.Yard No. 687

Total

Breadth (greatest moulded)

B

32.25

Builders New Eng. & Shipbuilding Works, Ltd.

Gross Tonnage

684.91

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

D

11.25

Owners Asiatic Petroleum Co. (North China)
Ltd.

Register Tonnage

363.63

1st Longitudinal Number (L x D) =

2250

Managers

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

2nd Numeral L x (B + D) =

8700

Residence

REGISTERED DIMENSIONS.
FEET.Framing Depth "d." at middle of length. See
Sec. 3 (1d)

10.09

Port of Registry

SHANGHAI

Length

Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel

17.77

If surveyed while building, afloat, & in dry dock

Bth

Do. Long Bridge to top
of keel

Draught Moulded

9.0

Yes

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.
ES, Spacing amidships	22		Bracket Floors, Frame		
„ from $\frac{3}{4}$ length to Collision bulkhead	„		„ „ Reversed Frame		
„ in peaks	„		„ „ Vertical Struts		
FRAMING.			Centre Girder, depth and thickness amidships		
„ Amidships, Angle, [or [Bulb 6 3 .30			„ „ top Angles		
Elsewhere Bulb 5½ 3 .30			„ „ bottom Angles		
„ Extends up to Main Dk.			Side Girders, No. each side and thickness		
in Bulk Oil Tanks 3 3 .30			Margin Plate depth (excl. of flange) and thickness		
„ „ Floors Flanged 3			„ „ Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
„ „ Extends up to			„ „ Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem		
„ of Framing Girder			„ „ Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
„ „ „ „			„ „ Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		
„ „ „ „			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 [Bulb 5½ 3 .30		
„ „ „ „			„ „ in way of Bridge, Angle, [or [
„ „ „ „			„ „ Spacing 22"		
„ „ „ „			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 [Angle 3½" 2½" .30		
„ „ „ „			„ „ 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..... One			Stringer Plate, breadth and thickness in way of Bridge		
„ in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells		
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge		
„ in Holds „ „	4" 12'-10"		Thickness of Plating within line of openings...		
„ „ „ „ „			If Sheathed, material and thickness		
Centre Line Bulkhead , Bulb Angle 22°	6	3 .30	Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....		
Plating, thickness of30" to .26"		If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	54" .38"		If Plated, state thickness		
„ „ „ „ in way of Bridge			Poop Deck.		
„ Angle in Wells	5" 5" .40"		Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Wells32"		Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings in way of Bridge			Bridge Deck.		
Thickness of Plating within line of openings...	.32"		Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness			Plating, Sheathing, material and thickness ...		
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...			Stringer Plate, breadth and thickness.....	.30"	
			Plating, Sheathing, material and thickness ..	.26"	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			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.		Inches.
FLAT PLATE KEEL	48"	.46"	.42	.42	.40 at ends approved plan	Double	3/4"	2-4/16"	Double Ends	Treble 1/2 L 3/4"	2-5/8"	Lapped	
„ DBLG. (if any)						Double in oil Tanks		5/8"	2-3/16"				
BOTTOM PLATING, No. of of Strakes Three		.36"	.32	.32		Double		5/8"	2-7/16"	Double	5/8"	2 1/4"	Lapped
BILGE PLATING, No. of Strakes One	52"	.36"	.32	.32		" "	" "						
SIDE PLATING, No. of Strakes						Double	3/4"	2-7/16"	Double	3/4"	2-5/8"	L	
UPPER DECK, Sheer- strake in Wells.....	57"	.40"	.34	.34		" ends	5/8"	2-7/16"	"	5/8"	2 1/4"	Lapped	
UPPER DECK, Sheer- strake in Bridge ...						Double in oil Tanks		5/8"	2-3/16"				
STRAKE BELOW Sheer- strake in Wells.....	57"	.36"	.32	.32		Double		5/8"	2-7/16"	Double	5/8"	2 1/4"	Lapped
STRAKE BELOW Sheer- strake in Bridge ...						Elsewhere							
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING		.26"				Single	5/8"	2-7/16"	Single	5/8"	2 1/4"	Lapped	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) **8 O.T. & 2 W.T.**

„ Deck next below —

As per Rule —

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL , Bar				
STEM	Forging	6" x 1 1/4"	N.E.W.	
STERN FRAME { Propeller Post				
{ Rudder „	"	6" x 1 1/2"	N.E.W.	
RUDDER —A x D.....	160			
Speed of Vessel	9.25	K.		
RUDDER mainpiece at head ...		6 1/2"		
„ „ heel ...		4-7/8"		
„ how constructed				
„ double or single plate	Single	7/8"		
„ 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)
Consett Iron Co., Ltd. & Appleby Iron Co., Ltd. Open Hearth ProcessHas the Steel been tested as required by the Rules? **Yes**

EQUIPMENT No 9534												LETTER		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.	Cwts.			
18437	1st Bower ...	14	3	7				16	7	3	7	14½		Watt Finch-	L.I. Wright
18438	2nd „ ...	14	2	0				16	1	1	0	"		Cardiff 10/9/30	"
18440	3rd „ ...	14	3	14				16	7	3	7	"		man & Co.,	"
	Collective weight.	44	0	21										Ltd.	"
18443	Stream	4	2	14	1	1	7	7	0	0	0	4½		"	11/9/30

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.	Length.	Diam.					Length.	Cir.		Length.	Cir.
45310)	Fathoms.	Inch.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Inch.					Fathoms.	Inch.	Tons.	Fathoms.	Inch.
45311)	195	1- $\frac{1}{8}$	22 $\frac{1}{2}$	34 $\frac{1}{8}$	129-2-11	126 $\frac{1}{2}$	195	1- $\frac{2}{16}$		Kendrick & Mole	Cradley Heath 20/11/30 L.E. Paul	TOWLINE...	75	8 $\frac{1}{2}$ "		75	8 $\frac{1}{2}$ "
45312)												HAWSERS & WARPS	90	2 $\frac{1}{2}$ "	13.2	90	2 $\frac{1}{2}$ "
45313)												"	90	4 $\frac{1}{2}$ "		90	4 $\frac{1}{2}$ "
		Cir.						Cir.									
Iron Stream Chain or Steel Wire	60	3	18.6				60	3	6/12	Garnock	.062"	Bibby & Co.					

Steering Gear, Steam		Steering Gear, Hand		Yes	
2 Life Boats 21'0" x 7'0"		Tons Cwts.			
Boats	2 Sampans 18'0"	Steering Chains, Size and Test 15/16" 10 10		Windlass Steam 7" x 8"	
Ceiling in Holds, thickness and material 3/16" Flanged Plates		Cargo Battens, thickness, material and spacing		3" x 1" Cope 8"	
Cargo Hatchways.—(Upper Deck) Seven		Thickness of Hatches No. 1 2 1/2" O.P. Remainder .26 Steel			
Size of No. 1 Hatchway (Forward) 16' x 12'		No. 2 11'x8'	No. 3 11'x8'	No. 4 11'x8'	No. 5 11'x8'
Number of Shifting Beams and/or Fore and Afters 3 Shifting Beams in No. 1 Hatch 12"x.30 double angles 3'x 3'x.32"					

THE NEW ENGINEERING AND
SHIPBUILDING WORKS, LTD.
A. P. Bledynow

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* Oil Tanker *The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.*

Cargo oil is carried in Forward port and starboard tanks, centre and after tanks.

Oil fuel carried in cross bunker between pump room and machinery space. Flash point of fuel oil above 150°F.

This vessel has been built in accordance with the Rules and to the approved plans.

The materials so far as can be ascertained have been found sound and the workmanship good.

It is Recommended that this vessel be classed in the Register Book "A1 "For river service", "Carrying petroleum in bulk", Fitted for oil fuel 5,31, F.P. above 150°F."

See Endorsement
Date 31.7.30 & app
Knowledge Section

The amount of Entry Fee\$ 65.00 : Fees applied for, 8-5- 1931.

Special Survey Fee....\$ 3700.00 : Received by me, I am of opinion the Vessel should be Classed * A1 For river service, carrying petroleum in bulk, Fitted for oil fuel 5,31, F.P. above 150°F.

Travelling Expenses, if any \$ 130.00 : 12-5- 1931.

Special Attendance \$ 60.00

State whether the Vessel has been built under Special Survey Yes

Certificate to be sent to SHANGHAI Date of issue 29/6/31.

Signature J. Brooke Smith

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 26 JUN 1951

Character assigned

+ AI

For Service on the Yangtze River,
draught not to exceed 9ft.
Carryg. petrol. in Bulk and
petroleum products.

+ L. Inc. 5, 31

Write Mich

Lloyd's A. & C. P.

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Lloyd's Register
Foundation

0194 212

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.)

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 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 Deck**

Official No. : Signal Letters

Is bottom of Vessel coated with cement **No** if not give

particulars of composition **Part Bitumastic**

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	9'-8"	38
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, Trimming Tank Forward 11'-0"		40
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.

Date

Dates of Surveys
held while building

30-7-30, 8-9-30, 9-9-30, 23-9-30, 26-9-30, 1-10-30, 4-10-30, 7-10-30,
9-10-30, 15-10-30, 20-10-30, 24-10-30, 28-10-30, 5-11-30, 11-11-30, 17-11-30,
19-11-30, 20-11-30, 24-11-30, 26-11-30, 1-12-30, 5-12-30, 10-12-30, 16-12-30,
19-12-30, 27-12-30, 31-12-30, 6-1-31, 10-1-31, 17-1-31, 20-1-31, 26-1-31,
30-1-31, 2-2-31, 4-2-31, 12-2-31, 14-2-31, 19-2-31, 25-2-31, 28-2-31,
14-3-31, 23-3-31, 27-3-31, 15-4-31, 22-4-31, 25-4-31, 6-5-31.

Total No. of Visits
46