

STEEL STEAMER or MOTORSHIP.

Received at London Office

No. 8793

Date of completion of report

18th June 1941

Port of Hongkong

Survey held at

Hongkong

Date First Survey

27th Feb. 1940

Last Survey

17th June

1941

On the

(State if Machinery fitted with or without Tonnage Openings)

Single Screw Motorship "HIN SANG"

State Type

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

Full Scantling

State Type of Erections

Forecastle and Combined Top and Bridge

TONNAGE under Tonnage Deck

3313.71

CLASS + 100 A 1

State if with freeboard as condition of Class

No

Built at Hongkong

Launched Feb. 20th 1941 Yard No. 836

Builders The H K & Wampoa Dock Co. Ltd

Owners The Indo China Steam Navigation Co. Ltd

Managers Jardine Matheson & Co.

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

Residence Hongkong

Port of Registry Hongkong

If surveyed while building, afloat, or in dry dock

While Building

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

Total

3313.71

Gross Tonnage

4643.91

Register Tonnage

3453.55

REGISTERED DIMENSIONS.

FEET.

Length

357.1

Breadth

53.25

Depth

23.6

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

L 350.0

Breadth (greatest moulded)

B 53.0

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

D 26.0

1st Longitudinal Number (L x D)

= 9100

2nd Numeral L x (B + D)

= 27650

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

22.75

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

13.46

Do. Long Bridge to top of keel

10.45

Draught Moulded

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	26		Bracket Floors, Frame		
" " from $\frac{3}{8}$ length amidships to Collision bulkhead	26		" " Reversed Frame		
" " in peaks	24		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	39" x 48"	approved
Frame Amidships, Angle, E or F	11 x 3 1/2 x 46		" " top Angles	3 x 3 x 7/16	3 x 3 x 42
Deep Frames for E	11 x 3 1/2 x 54		" " bottom Angles	4 x 4 x 1/2	4 x 4 x 46
Extends up to	12 x 4 x 4 x 46		Side Girders, No. each side and thickness	1 x 34"	
Web Frames at Frames Nos. 32, 59, 77, 104	120, 131, 145	approved	3 in E.R. 1st 34", 1st 50" + 1st 75"		
Reversed Frame Amidships, Angle	3 x 3 x 3/8	3 x 3 x 36	Margin Plate depth (excl. of flange) and thickness	30" x 44"	3/16 per Rule - approved
" " Extends up to	Top of floor	on floor	" " Vertical Angle to Tank side	3 1/2 x 3 1/2 x 3/8	3 1/2 x 3 1/2 x 36
Depth of Framing Girder	11"		" " Bracket abaft 1/2 len. from stem	- do -	- do -
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	6 x 3 x 45		" " Vertical Angle to Tank side	- do -	- do -
" " Second 'tween Decks, Angle, E or F			" " Bracket from forward 1/2 len. from stem to Panting Area	2 Ft. spaces	
" " Third " " " "			" " Gussets, spacing and scantling abaft 1/2 len. from stem	Continuous	
" " from 1/2 len. for'd. to 15% len. from Stem	11 x 3 1/2 x 54 BA		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	36	
" " in Peaks, Angle or F	7 x 3 x 36		Tank Side Brackets, height above base line at toe of Frame and thickness	60" x 40	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8", 6 1/4"		INNER BOTTOM PLATING.		
State if Frame Joggled	yes		Breadth and thickness of Middle Line Strake	48" x 46 x 38	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes		Thickness of remainder in Holds	40	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes		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?	yes	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	7 x 3 x 40	
Height of Brackets at side above base line at toe of frame			" " in Wells, Angle, E or F	7 x 3 1/2 x 42 + 50	
Middle Line Keelson, on Floors, Angles, E or F			" " in way of Bridge, Angle, E or F	7 x 3 1/2 x 42	
" " Through Plate or Intercoastal Plate			Spacing	10 x 3 1/2 x 44	
" " Foundation Plate on Floors			" " Spacing	26"	
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, E or F		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Third Deck, amidships, Angle, E or F		
" " Angles			Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, E or F		
Solid Floors, thickness and spacing	34, 26"		Spacing		
" " Are Frame and Reversed Frame joggled?	yes		Poop Deck, Angle, E or F	7 x 3 x 38	
Bracket Floors, breadth and thickness at middle line	None		Spacing	24"	
" " breadth and thickness at margin plate			Bridge Deck, Angle, E or F	6 x 3 x 46	
			Spacing	7 x 3 x 46	
			" " Spacing	8 x 3 x 38 + 50	
			Forecastle Deck, Angle, E or F	26"	
			Spacing	7 x 3 x 36	
			" " Spacing	5 1/2 x 3 x 40	
				24"	

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.....	<i>one</i> ✓		Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....	<i>Forecastle 3" solid. 48"</i> ✓		Thickness of Plating abreast Deck openings in way of Wells	✓	
" " " " "	<i>Bridge 8" dia x .40 Tubular at Hatch ends.</i> ✓		Thickness of Plating abreast Deck openings in way of Bridge	✓	
" in Holds " " II	<i>9x3½x3½x.46 ✓ 10x3½x3½x.52 ✓ 12x3½x3½x.42 ✓ and face plates</i>		Thickness of Plating within line of openings...	✓	
" " " " "			If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	✓ } <i>see plan</i>		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	✓ }		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	<i>53' 1.20' .80 ✓ 37' x .40 at ends. ✓ 53 x .37 ✓</i> <i>see plan</i>		If Plated, state thickness	✓	
" " " " in way of Bridge			Poop Deck.		
" Angle in Wells	<i>6x6x7/8 ✓ 5x5x3/4 ✓</i> <i>see plan</i>		Stringer Plate, breadth and thickness	<i>33 x .34 ✓</i>	
Thickness of Plating abreast Deck openings in way of Wells	<i>.68 x .60 ✓</i>		Plating, Sheathing, material and thickness ...	<i>.34 x .32 ✓ 2½ Teak + 0 Pine ✓</i>	
Thickness of Plating abreast Deck openings in way of Bridge	<i>.32 ✓</i>		Bridge Deck.		
Thickness of Plating within line of openings...	<i>.40 x .32 ✓</i>		Stringer Plate, breadth and thickness.....	<i>.53 x .44 ✓ 2½ Teak ✓</i>	
If Sheathed, material and thickness	<i>Not sheathed ✓</i>		Plating, Sheathing, material and thickness ...	<i>2½ 0 Pine ✓</i>	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	✓		Stringer Plate, breadth and thickness.....	<i>33 x .34 ✓</i>	
			Plating, Sheathing, material and thickness ...	<i>.32, Not Sheathed ✓</i>	

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. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.				Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	47	.68	.62	.62		Double	7/8	3 1/2	Three	7/8	3 1/8	Strapped	
„ DBLG. (if any)	✓					✓							
BOTTOM PLATING, No. of Strakes ... 3	ABC	.54	.60	.44		Double	3/4	3	Three	3/4	2 5/8	Lapped	
BILGE PLATING, No. of Strakes 2	DE	.54	.44	.44		„	„	„	„	„	„	„	
SIDE PLATING, No. of Strakes 3	FGH	.54	.44	.44	ends + 2 added	„	„	„	„	„	„	„	
UPPER DECK, Sheer-strake in Wells. K.	50	.86	.42	✓	}	„	1 1/4	5	Four	1 1/4	4 3/8	„	
		1.29 at bridge end. ✓				„	1	4		1	3 1/2		
UPPER DECK, Sheer-strake in Bridge K.	50	.54	✓	.42		„	7/8	3 1/2	Three	7/8	3 1/8	„	
							3/4	3		3/4	2 5/8	„	
STRAKE BELOW Sheer-strake in Wells. J.	50	.72	.42	✓		„	7/8	3 1/2	Three	7/8	3 1/8	„	
							3/4	3		3/4	2 5/8	„	
STRAKE BELOW Sheer-strake in Bridge J.	50	.54	✓	.42		„	„	„	„	„	„	„	
POOP SIDE PLATING	✓	✓	✓	.36		Single	5/8	2 1/2	Two	5/8	2 1/4	„	
BRIDGE SIDE PLATING ...	✓	.56	✓	✓		Double	7/8	3 1/2	Three	7/8	3 1/8	„	
FOREC'TLE SIDE PLATING	✓	✓	.40	✓		Single	3/4	3	Two	3/4	2 5/8	„	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		6			
Extending to Upper Deck (Sec. 3 c)		5 + 1 Stepped			
" Deck next below		1			
As per Rule		6			
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D,	Frame 43	46 as per ✓	B.A.		
Upper two decks	345.26	11 x 3 1/2 x .42	30"	✓	
" "	Frame 65	46 as per	8 x 3 x .40	30"	machinery flat ✓
" "	Frame 95	46 as per	11 x 3 1/2 x .42	30"	✓
" "	Holds Fr. 124	46 as per	11 x 3 1/2 x .54	30"	✓
COLLISION	(in Hold) Fr. 151	46 as per	11 x 3 1/2 x .42	24"	W.T. flat ✓
AFTER PEAK	Fr. 151	305.26	4 x 3 x .30 A	24"	main deck ✓
	Fr. 100	756.30	11 x 3 1/2 x .42	24"	✓
			5 x 3 x .40 A		

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM	Pt. casting, Pt. forging and P.E. steel plate	9 x 23/8	Builders	✓
STERN FRAME	{ Propeller Post	Cast	as per	✓
	{ Rudder	Steel	plan	✓
Speed of Vessel	11.6 knots ✓			
RUDDER—Type	Balanced			
" A x D	235 ✓			
" Diam. of head	8" ✓			
" Main piece at top pintle	5 1/2" ✓			
" " heel	5 1/2" ✓			
" how constructed	Plates welded to cast steel frame			
" double or single plate	double			
" coupling, vertical or horizontal	Vertical			

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) O. H. Steel ✓
Colvilles Ltd, The Steel Co. of Scotland, Corisett Iron Co., Skinningrove Iron Co.
The Lancashire Steel Co. N.W. Rivets, Bolt & Nut Factory. Broken Hill Pty. Co. Ltd. & Australasia Iron & Steel
 Has the Steel been tested as required by the Rules? Yes Australia Co.

EQUIPMENT No 29831										LETTER X	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
98913	1st Bower ...	56	2	7	56	2	7	46	10	3	21	Stockless	Hingley & Sons Netherton 3 rd May 1940
98914	2nd " ...	56	2	14	56	2	14	46	7	3	7	"	do -
98749	3rd " ...	47	2	21	47	2	21	40	19	1	14	"	Netherton 17 th Feb. 1940
	Collective weight.	161	0	14	161	0	14					"	J. Relf.
98767	Stream	15	0	14	15	0	14	16	12	0	21	Iron Stocks	Netherton 20 th Feb 1940

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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Ins.	Length.		Ins.	Length.	Ins.
113850	270	2 3/8	1 13/16	82 7/10	115 9/10	473-3-6	608-3-0	270	2 3/16	Ordinary Studding Link	Taylor & Sons	Netherton 15 th May J. Relf 1940	TOWLINE	120	4 1/2	43.3	120	4 1/2	
Spare chain not placed on board																			
113851	30	1 13/16	"	"	52-2-14					-do-	-do-	-do-	HAWSERS & WARPS	2-90	2 1/2	13.2	2-90	2 1/2	
													"	2-90	2 1/2	13.2	2-90	2 1/2	
Iron Stocks Chain - of Steel Wire	90	4 1/2			43.3			90	4 1/2	Steel Wire 6x12	British Ropes Ltd	Chareton, London. 26/2/40.	"						

Steering Gear, Type (Power or hand) *Electric-Hydraulic by Dornier, Alternative Means of Steering Hand gear by Dornier & Co. Ltd.*
Lloyd's N° 9054, Cert. N° 70946

Steering Chains (Size and Test) *None* Windlass *Electric by Emerson Walker Boats (Lloyd's N° 9131)*
4 @ 30' x 9' 6" x 4' 0"
2 @ 30' x 9' 0" x 3' 9"
2 @ 21' x 7' x 2' 8 1/2"

Ceiling in Holds, thickness and material *2 1/2" O. Pine laid on 2" batten.* Cargo Battens, thickness, material and spacing *2" O. Pine, 9" spacing.*

Cargo Hatchways.-(Upper Deck) *Coaming 44" x 48" with stiffeners + stay to deck* Thickness of Hatches *2 1/2" + 2 3/4"*

Size of Hatchways No. 1 (Fwd.) *30'-4" x 20'* No. 2 *34'-8" x 20'* No. 3 *34'-8" x 20'* No. 4 *34'-8" x 20'* No. 5 *30'-4" x 20'* No. 6 *30'-4" x 20'*

Number of Shifting Beams *N° 1-5, N° 2-6, N° 3-5 (Trunked Hatch) N° 4-5 on Bridge dk + 6 on upper deck.*
and for Fore and Afters

HONGKONG & WHAMPOA DOCK Co., Ltd.
Builder's Signature *Heoch.*
 CHIEF MANAGER

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 *Motorship*
 (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No* 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).

Oil fuel is carried in N° 3 + 4 double bottom tanks + in daily service tanks in engine room.
Flash point above 150° F.

This vessel has been built under special survey in accordance with the approved plans + instructions, the materials have been tested by the Surveyors to this Society and the workmanship is, in my opinion, satisfactory. All tanks, cofferdams, weather decks + bulkheads have been satisfactorily tested to rule requirements. The windlass + steering gear have been examined under working conditions + found satisfactory.

The freeboards assigned have been marked on the vessel's sides + cut in. Rpt. C-11 + verification form forwarded to Nottingham. Copy of C 11 (cont.) enclosed.

✓ Cargo battens + cleats supplied but not fitted, as vessel is intended for carrying timber from Borneo to Hongkong at the present time.

The amount of Entry Fee £16 : } Fees applied for,
 Special Survey Fee.... £614-8/- : } 18th June 1941
 Freeboard : 360
 Cablegrams : 83
 Travelling Expenses, if any : 200
 Total £10814

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

I am of opinion the Vessel should be Classed *+100 A 1*

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

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

Certificate to be sent to *Hongkong* Date of issue *29/9/41*

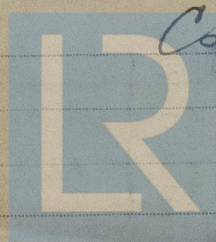
Committee's Minute

Character assigned

FRI. 12 SEP 1941

+100 A 1
Lloyd's arch.
Oil Eng.

+ Amb 6.41



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Lloyd's Register Foundation

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.)

No Sister vessel.

Plans approved H&B, copies in the London Office.

Forging & testing reports enclosed.

Midship section & profile plans of vessel as built enclosed.

PARTICULARS OF ELECTRIC WELDING (if employed) Stringer plates on upper deck in way of Poop, Bridge and Forecastle tack welded to shell, 3-3" welds in each frame space.

3"x40" flat bar tack welded to toes of frames & continuous weld to deck in line of stringer angle on upper deck in way of Poop, Bridge & Forecastle.

Butt plates butt welded to margin plate. Rudder plates welded to cast steel frame.

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

Cargo Battens not fitted (stowed on board)

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

1st Bower 33-2-12, J.D. 2730, 10-4-40
2nd " 33-2-17, J.D. 2729, 10-4-40
3rd " 26-3-24, J.D. 5008, 17-1-38

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge 219.83 ft., Forecastle 32.66 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. Poop & Bridge combined

Official No. 172785 Signal Letters V R F L Extreme Breadth over Belting (Circ. 1611)

Over-all Length 372.0' (Circ. 1703)

No. and Material of Decks One deck, Steel

Parts of Bottom of Vessel coated with cement or approved composition Cement in F & A peak tanks, aft deep tank & Nos 1, 2 & 5 Double bottom tanks & hold bilges. Bare steel in Nos 3 & 4 D.B. tanks (oil fuel).

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,	56.3	100	Fore peak tank,	26.5	124
Double bottom, under Engines and Boilers,			After peak tank,	20.0	60.7
Double bottom, if under Engines only, Excl. Coff.	43.3	232	Deep tank, aft,	10.9	50
Double bottom, if under Boilers only,	4.4		Deep tank, forward,		
Double bottom, forward,	186.3	645	Other tanks, if fitted,		
Total length (if continuous) and Capacity	285.9	977	(If necessary, furnish further information by sketch.)		
	290.3				

Order for Special Survey No.

Date 18th August 1939

Dates of Surveys held while building

1940
Feb. 27, Mar. 5, 11, 29, April 3, 11, 18, 23, May 1, 7, 14, 16, 20, 23, 24, 27, 30, June 4, 11, 15, 20, 28, 29, July 9,
19, Aug. 3, 9, 20, 27, 29, Sept. 6, 9, 11, 12, 13, 20, 24, 28, 30, Oct. 3, 9, 14, 16, 17, 23, 28, 29, 30, Nov. 5, 12, 14, 21,
22, 28, Dec. 3, 16, 20, 28. 1941
Jan. 3, 10, 13, 20, 25, 29, Feb. 1, 5, 12, 19, 20, 26, Mar. 4, 8, 18, 25, 29, April 2,
9, 17, 24, 30, May 14, 17, 22, 28, June 10, 17.

Total No. of Visits 87