

STEEL STEAMER or MOTORSHIP.

Received at London Office 18 SEP 1924

State if Report has been sent on the Freeboard of the Vessel Yes
State if Report is sent on the Machinery of the Vessel Yes
Date of completion of report 5th September 1924 Port of Banda No. 8493
Survey held at Banda Date First Survey 20th November 1923 Last Survey 11th September 1924
On the (State if Machinery fitted Aft and (If Single, Twin or Triple Screw) Crackly amidships Turn Screw Steamer "KHOEN HOEA"
State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure without Tonnage Openings State Type of Erections Shade beam
TONNAGE under 861.02 CLASS +100 A.1. State if with freeboard as condition of Class Yes Built at Banda
Do. of space or spaces between Tonnage Deck and Upper Deck. 1237.19 Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 245-0 Launched 14 July 1924 Yard No. 289
Total 599.43 Breadth (greatest moulded) 38-0 Builders The Caledon S.B. & Co.
Gross Tonnage 1237.19 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 12-0 Owners Thong Kh. S. S. Co.
Register Tonnage 599.43 1st Longitudinal Number (L x D) = 2940 Managers (Where necessary to be entered in Reg. Book.)
2nd Numeral L x (B + D) = 12250 Residence Pontianak
REGISTERED DIMENSIONS. FEET. Port of Registry Pontianak
Length 245.2 Framing Depth "d," at middle of length. See Sec. 3 (1d) 10-4 If surveyed while building, afloat, or in dry dock Yes
Breadth 38.15 Proportions—Depth to Length—Uppermost continuous deck to top of keel 20-4
Depth 10.9 Do. Long Bridge to top of keel 12-5
Draught Moulded 10-0

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.
MES, Spacing amidships	24			✓	Bracket Floors, Frame	-	-	-	✓
" " from 1/2 length to Collision bulkhead	24			✓	" " Reversed Frame	-	-	-	✓
" " in peaks	24			✓	" " Vertical Struts	-	-	-	✓
E FRAMING.					Centre Girder, depth and thickness amidships	30	39		✓
Frame Amidships, Angle, <u>E or C</u>	5	3	34	✓	" " top Angles <u>Two</u>	3	3	35	✓
" " Extends up to <u>main deck & alternate to shade beam</u>				✓	" " bottom Angles <u>Two</u>	3	3	39	✓
Reversed Frame Amidships, Angle <u>none</u>				✓	Side Girders, No. each side and thickness	3	29		✓
" " Extends up to	-	-	-	✓	Margin Plate depth (excl. of flange) and thickness	28 1/2	33		✓
Depth of Framing Girder	5			✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3	3	29	✓
Frames in Uppermost Continuous 'tween Decks, Angle, <u>E or C</u>	5	3	34	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	-	-	-	✓
" " Second 'tween Decks, Angle, <u>C or C</u>	-	-	-	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	-	-	-	✓
" " Third " " "	-	-	-	✓	" " Gussets, spacing and scantling forward 1/2 len. from stem	-	-	-	✓
Framing in Peaks, Angle <u>E</u>	4	3	32	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	30 1/2	29		✓
Diameter and Spacing of Rivets through Shell Plating	3/4	5 1/4		✓	INNER BOTTOM PLATING.				
State if Frame Joggled	<u>joggled</u>			✓	Breadth and thickness of Middle Line Strake	48	34		<u>approved 10 1/2</u>
STIFFENING ARRANGEMENTS (Sec. 7), state system and particulars	<u>side stringer deep brackets</u>			✓	Thickness of remainder in Holds	75	34		✓
LENGTHENING OF BOTTOM FORWARD. State Particulars	<u>5x5x3/5 frames on floor: intercostal keelsons as per plan</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?	<u>Yes</u>			✓
DOUBLE BOTTOM.					BEAMS.				
Floors, Depth and thickness at mid-line in Holds	20	34		✓	Uppermost Continuous Deck, amidships (MAIN)	9	3	50	✓
Height of Brackets at side above base line at toe of frame	-	-	-	✓	" " in way of Bridge, Angle, <u>C or C</u>	-	-	-	✓
Middle Line Keelson, on Floors, Angles, <u>C or C</u>	-	-	-	✓	" " Spacing	48			✓
" " Through Plate <u>or</u> <u>intercostal plate</u>	20	40		✓	SHADE Second Deck, amidships, Angle, <u>E or C</u>	7 1/2	3	34	✓
" " Foundation Plate on Floors	30	42		✓	" " Spacing	48			✓
" " Flat Plate Keel Angles	3 1/2	3 1/2	43	✓	PROMENADE Third Deck, amidships, Angle, <u>E or C</u>	3 1/2	3 1/2	28	✓
Side Keelsons, No. each side <u>Two</u>				✓	" " Spacing	48			✓
" " thickness of Intercostal Plate		32		✓	Fourth Deck, amidships, Angle, <u>C or C</u>	-			✓
" " Angles <u>+ flanged on bottom except forward</u>	3	3	34	✓	" " Spacing	-			✓
DOUBLE BOTTOM.					Poop Deck, Angle, <u>C or C</u>	-			✓
Solid Floors, thickness and spacing <u>UNDER ENGINES 29</u>		24		✓	" " Spacing	-			✓
" " Are Frame and Reversed Frame joggled?	<u>Yes</u>			✓	Bridge Deck, Angle, <u>C or C</u>	-			✓
Bracket Floors, breadth and thickness at middle line	-			✓	" " Spacing	-			✓
" " breadth and thickness at margin plate	-			✓	Forecastle Deck, Angle, <u>E or C</u>	-			✓
					" " 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..... <i>one</i>				✓	Stringer Plate, breadth and thickness in way of Bridge	—	—	—	✓
„ in 'tween Decks, Size and Spacing..... <i>AT HATCH ENDS</i>	<i>25/8</i>	<i>48</i>	✓	✓	Thickness of Plating abreast Deck openings) <i>in way of Wells</i>	—	<i>25</i>	✓	✓
„ „ „ „ „	<i>4"</i>			✓	Thickness of Plating abreast Deck openings) in way of Bridge	—	—	—	✓
„ in Holds „ „	<i>3 1/4</i>	<i>48</i>	✓	✓	If Sheathed, material and thickness <i>Leak</i>	<i>2"</i>		✓	✓
„ „ <i>AT HATCH ENDS</i> →	<i>27/8</i>	<i>48</i>	✓	✓	<i>Promenade</i> Third Deck.				
„ „ „ „ „	<i>8" tubes as per plan</i>		✓	✓	Stringer Plate, breadth and thickness.....	<i>24</i>	<i>20</i>	✓	✓
Centre Line Bulkhead.	<i>None</i>				If Plated, state thickness.....	—	—	—	✓
Stiffeners and Spacing.....	—	—	—	✓	Fourth Deck.				
Plating, thickness of	—	—	—	✓	Stringer Plate, breadth and thickness.....	—	—	—	✓
STRINGERS AND DECKS.					If Plated, state thickness	—	—	—	✓
Uppermost Continuous Deck.					Poop Deck.				
<i>SHADE</i> Stringer Plate, breadth and thickness <i>in Wells</i>	<i>42</i>	<i>50/28</i>	✓	✓	Stringer Plate, breadth and thickness.....	—	—	—	✓
„ „ „ „ in way of Bridge	—	—	—	✓	Plating, Sheathing, material and thickness ...	—	—	—	✓
„ Angle <i>in Wells</i>	<i>6 1/2</i>	<i>6 1/2</i>	<i>50</i>	✓	Bridge Deck.				
Thickness of Plating abreast Deck openings) <i>in way of Wells</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>40</i>	✓	Stringer Plate, breadth and thickness.....	—	—	—	✓
Thickness of Plating abreast Deck openings) in way of Bridge	—	—	—	✓	Plating, Sheathing, material and thickness ...	—	—	—	✓
If Sheathed, material and thickness <i>Leak</i>	<i>2"</i>		✓	✓	Forecastle Deck.				
MAIN Second Deck.					Stringer Plate, breadth and thickness.....	—	—	—	✓
Stringer Plate, breadth and thickness <i>in Wells</i>	<i>42</i>	<i>44 1/2</i>	<i>36</i>	✓	Plating, Sheathing, material and thickness ...	—	—	—	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>no</i>			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.	
FLAT PLATE KEEL	<i>39 1/2</i>	<i>.47</i>	<i>.43</i>	<i>.43</i>	<i>✓</i>	<i>double</i>	<i>3/4</i>	<i>3</i>	<i>Three</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Lapped</i>
„ DBLG. (if any)	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>✓</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
BOTTOM PLATING, No. of Strakes <i>3</i> }		<i>.40</i>	<i>.38 1/4</i>	<i>.38 1/4</i>	<i>✓</i>	<i>double</i>	<i>3/4</i>	<i>3</i>	<i>Three</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Lapped</i>
BILGE PLATING, No. of Strakes <i>1</i> }		<i>.40</i>	<i>.36</i>	<i>.38</i>	<i>✓</i>	<i>single</i>	<i>3/4</i>	<i>3</i>	<i>—</i>	<i>3/4</i>	<i>"</i>	<i>—</i>
SIDE PLATING, No. of Strakes <i>1</i> }		<i>.40</i>	<i>.36</i>	<i>.36</i>	<i>✓</i>	<i>—</i>	<i>"</i>	<i>"</i>	<i>Two</i>	<i>"</i>	<i>"</i>	<i>—</i>
<i>MAIN</i> UPPER DECK, Sheer- strake <i>in Wells</i>)	<i>43</i>	<i>.40 +</i>	<i>.36</i>	<i>.36</i>	<i>✓</i>	<i>—</i>	<i>"</i>	<i>"</i>	<i>—</i>	<i>"</i>	<i>"</i>	<i>—</i>
<i>SHADE</i> UPPER DECK, Sheer- strake <i>in Bridge</i> ...)		<i>.56 □</i>	<i>.30</i>	<i>.28</i>	<i>✓</i>	<i>—</i>	<i>"</i>	<i>"</i>	<i>Three</i>	<i>7/8</i>	<i>3 1/8</i>	<i>—</i>
<i>SHADE DECK</i> STRAKE BELOW Sheer- strake <i>in Wells</i>)		<i>.56 Δ</i>	<i>.30</i>	<i>.28</i>	<i>✓</i>	<i>—</i>	<i>"</i>	<i>"</i>	<i>—</i>	<i>7/8</i>	<i>"</i>	<i>—</i>
STRAKE BELOW Sheer- strake in Bridge ...)												
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...		<i>+ .50</i>	<i>In way of Gangway doors ✓</i>									
FOREC'TLE SIDE PLATING		<i>□ .70 + .60</i>	<i>In way of openings ✓</i>									
		<i>Δ .75 + .64</i>	<i>at Gangway doors ✓</i>									

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c)									
" Deck next below									
As per Rule									
	Plating Thickness.	STIFFENERS.							
		VERTICAL.		HORIZONTAL.					
		Scantlings.	Spacing.	Scantlings.	Spacing.				
MIDSHIP BULKHEAD, Tween decks...									
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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.)

The following plans are forwarded herewith

- 1- Midship Section.

2- Profile & Decks.

3- Tank top & Keelsons.

4- Inamidship Beams.

5- Deck increase in way of Hatch openings.

6- Pillars.

7- Shell expansion.

8- Stern frame & Rudder.

9- W.T. Bulkheads: Parting arrangements Fore & after Peaks

10- Pumping Plan
- 11- Centre Girder & Flat keel.

12- Coal Bunkers.

13- Shaft Tunnels.

14- Stern Construction.

15- Hatchways.

16- Casings.

17- Masts.

18- Boilers stools.

19- Boss Plates & Casting.

20- Propeller struts.

21- Cargo & Coaling Doors.

Letters - London - M. 16-7-23, 27-7-23, 4-9-23, 31-7-24, 7-8-24.

Glasgow - 18-7-23, 9-8-23, 17-8-23, 22-8-23, 31-8-23, 4-9-23, 5/7/14/19/20/25-9-23, 2/3/15/17/19/20-10-23.

28-11-23, 7-1-24, 9-1-24, 31-1-24, 20-2-24, 4-24, 30-4-24, 1-5-24, 28-8-24, 21-8-24.

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

1st Bower	17. 893 Cwts. W. M. A. 3944. - 5410. 28-3-24.
2nd "	17. 839 Cwts. W. M. A. 3932 - 5398. 21-3-24.
3rd "	15. 642 Cwts. W. M. A. 3872 - 5338. 22-2-24.

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 *Shade Deck*

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *2 Bks. - Leak*

Two tiers of beams

Official No. ☒ ; Signal Letters ☒ If bottom of Vessel has been coated Inside *Yes* give particulars of composition *Cement (Portland)*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	—	—	Fore peak tank,	13.75	49
Double bottom, under Engines and Boilers,	—	—	After peak tank,	20.00	81
Double bottom, if under Engines only,	16.00	34	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	—	—	Other tanks, if fitted,	—	—
Total capacity of double bottom		34	(If necessary, furnish further information by sketch.)		130

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

Order for Special Survey No. *934*

Date *4-9-23*

Dates of Surveys held while building

1923
Nov. 20. Dec. 4. 11. 14. 28.
1924
JAN. 4. 9. 14. 18. 21. 28. 31. FEB. 5. 8. 13. 18. 26. 28. MAR. 5. 10. 13. 14. 20. 24. 26. 28. 31. APR. 4. 8. 11. 16. 14. 22. 25. 29.
MAY 2. 6. 9. 13. 15. 16. 19. 21. 29. 30. JUN. 2. 4. 6. 10. 11. 13. 18. 20. 24. 24. JUL. 2. 3. 4. 9. 15. 22. 24. AUG. 4. 6. 11. 13. 15. 19.
21. 24. 28. 29. SEPT. 2. 3. 4. 8. 9. 10. 11.

Total No. of Visits *49*