

State if Report is sent on the Machinery of the Vessel

No. 11,296.

Last Survey 23rd April 1934

T. S. M. V. "INCOMATI"

State Type of Erections *1 one castle*

Built at *Buport.*

Launched 15th February 1934 Yard No. 532.

Builders: Workman & Clark (1928) &c

Owners *Andrews Wirt & Co*

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

Residence

Port of Registry *12 East*

If surveyed while building, afloat, or in dry dock

Yes.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
AMES, Spacing amidships	36		Bracket Floors, Frame	4 3 1/2 .33	
" " from 3/8 length to Collision bulkhead.....}	24		" " Reversed Frame	4 3 1/2 .33	
" " in peaks.....	0-4 22 4-8 30 8-9 24 9-10 30	for 24	" " Vertical Struts	10-3 1/2 x 3 1/2 x 1/2	
DE FRAMING.			Centre Girder, depth and thickness amidships	43 .55	
Frame Amidships, Angle E or F	11 3 1/2 N.B.S. 43		" " top Angles	3 1/2 3 1/2 .53	
" " Extends up to 3rd deck with every 3rd 1/2 2nd deck.			" " bottom Angles	4 3 1/2 .59	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	One .41	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	36 .55	
Depth of Framing Girder		N.B.S.	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 .43	
Frames in Uppermost Continuous 'tween Decks, Angle E or F	4 3 1/2 .33	N.B.S.	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 3 1/2 .43	
" " Second 'tween Decks, Angle E or F	4 3 1/2 .33	N.B.S.	" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	46 Continuation	
" " Third " " " "	and as above.		" " Gussets, spacing and scantling forward 1/2 len. from stem.....	40 Continuation	
Framing in Peaks, Angle E or F	4 1/2 3 1/2 36		Tank Side Brackets, height above base line at toe of Frame and thickness)	69 .47	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	1/8 4 1/8		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes.		Breadth and thickness of Middle Line Strake ...	52 1/2 .51	
STIFFENING ARRANGEMENTS (Sec. 7), state system and particulars	deep framing 11x32x.435 2 stringers 6'0 apart no plate 6x32x.406		Thickness of remainder in Holds	46	
LENGTHENING OF BOTTOM FORWARD. State Particulars	Holds 5x52x.40 flat 8'2" girders 3'4" apart		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. space and framing in Bunkers and Boiler Room? deep tanks.	Yes	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships) in Welle, Angle, E or F	9 3 1/2 .38	
Height of Brackets at side above base line at toe of frame			" " " " in way of Bridge, Angle, E or F		
Middle Line Keelson, on Floors, Angles, E or F			Spacing	36	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, E or F	10 3 1/2 .40	
" " Foundation Plate on Floors			Spacing	36	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F	10 3 1/2 .40	
Side Keelsons, No. each side			Spacing	36	
" " Thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, E or F		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or F		
Solid Floors, thickness and spacing	every 3'6" except 2'4" holds		Spacing		
" " Are Frame and Reversed Frame joggled?	Yes.		Bridge Deck, Angle, E or F		
Bracket Floors, breadth and thickness at middle line.....	33 .41		Spacing		
" " breadth and thickness at margin plate.....	54 .41		Forecastle Deck, Angle, E or F	8 3 .38	
			Spacing	24 x 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>Two rows</i>		Stringer Plate, breadth and thickness in way of Bridge	
.. in 'tween Decks, Size and Spacing.....	<i>width spaced</i>		Thickness of Plating abreast Deck openings in way of Wells	<i>.38</i>
" " " " " "	<i>as per</i>		Thickness of Plating abreast Deck openings in way of Bridge	
.. in Holds " "	<i>approved</i>		Thickness of Plating within line of openings.....	<i>.34</i>
" " " " " "	<i>plans.</i>		If Sheathed, material and thickness	
Centre Line Bulkhead.			Third Deck.	
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....	<i>10 1/4 .34</i>
Plating, thickness of			If Plated, state thickness.....	<i>.30</i>
STRINGERS AND DECKS.			Fourth Deck.	
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	
Stringer Plate, breadth and thickness in Wells.....	<i>63 .52</i>		If Plated, state thickness	
.. in way of Bridge			Peep Deck.	
.. Angle in Wells	<i>6 6 .52</i>		Stringer Plate, breadth and thickness	
Thickness of Plating abreast Deck openings in way of Wells	<i>.49</i>		Plating, Sheathing, material and thickness	
Thickness of Plating abreast Deck openings in way of Bridge			Bridge Deck.	
Thickness of Plating within line of openings.....	<i>.38</i>		Stringer Plate, breadth and thickness.....	
If Sheathed, material and thickness	<i>1 1/2" Oregon pine</i>		Plating, Sheathing, material and thickness	
Second Deck.			Forecastle Deck.	
Stringer Plate, breadth and thickness in Wells.....	<i>6 1/2 .39</i>		Stringer Plate, breadth and thickness.....	<i>.36</i>
			Plating, Sheathing, material and thickness	<i>.34. 2 1/2" Oregon pine</i>

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>59 1/2</i>	<i>.48</i>	<i>.40</i>	<i>.40</i>		<i>double</i>	<i>7/8</i>	<i>36</i>	<i>quad</i>	<i>1"</i>	<i>4</i>	<i>Capped</i>	
 " DECK (if any)													
BOTTOM PLATING, No. of Strakes <i>3</i>	<i>90</i>	<i>.65</i>	<i>.49</i>	<i>.54</i>		<i>double</i>	<i>7/8</i>	<i>36</i>	<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Capped.</i>	
BILGE PLATING, No. of Strakes	<i>72 1/4</i>	<i>.65</i>	<i>.49</i>	<i>.54</i>		<i>do</i>	<i>7/8</i>	<i>36</i>	<i>do</i>	<i>7/8</i>	<i>3 1/2</i>	<i>do.</i>	
SIDE PLATING, No. of Strakes <i>4</i>	<i>42 1/4</i>	<i>.65</i>	<i>.46</i>	<i>.51</i>		<i>do</i>	<i>7/8</i>	<i>36</i>	<i>do</i>	<i>7/8</i>	<i>3 1/2</i>	<i>do</i>	
	<i>48 1/2</i>												
	<i>48 1/2</i>												
UPPER DECK Sheer-strake in Wells	<i>48 1/2</i>												
UPPER DECK, Sheer-strake in Bridge ...	<i>43 1/4</i>	<i>.64</i>	<i>.46</i>	<i>.51</i>		<i>single</i>	<i>7/8</i>	<i>4 1/2</i>	<i>quad.</i>	<i>7/8</i>	<i>3 1/2</i>	<i>do</i>	
STRAKE BELOW Sheer-strake in Wells	<i>68</i>	<i>.65</i>	<i>.46</i>	<i>.51</i>		<i>double</i>	<i>7/8</i>	<i>36</i>	<i>do</i>	<i>7/8</i>	<i>3 1/2</i>	<i>do</i>	
STRAKE BELOW Sheer-strake in Bridge ...													
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING			<i>.42</i>			<i>single</i>	<i>7/8</i>	<i>36</i>	<i>single</i>	<i>7/8</i>	<i>3 1/2</i>	<i>do</i>	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<i>6</i>
Extending to Upper Deck (Sec. 3 c)	<i>6</i>
.. Deck next below	<i>after peak.</i>
As per Rule	<i>1 to upper, 6 to 2nd.</i>

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	<i>rolled</i>	<i>9 1/2 x 2 1/2</i>		
STEM	<i>rolled</i>	<i>9 1/2 x 2 1/2</i>		
STERN FRAME { Propeller Post	<i>cast</i>	<i>as per</i>	<i>Russell & Co.</i>	
{ Rudder	<i>cast</i>	<i>as per</i>	<i>Russell & Co.</i>	
RUDDER—A x D	<i>semi. balanced</i>	<i>as per</i>	<i>Russell & Co.</i>	
Speed of Vessel	<i>14 knots</i>			
RUDDER mainpiece at head	<i>forged</i>	<i>11 x 8 1/2</i>	<i>Russell & Co.</i>	
" " heel	<i>cast</i>	<i>7 x 4</i>	<i>Russell & Co.</i>	
" " how constructed	<i>cast frame & riveted side plate</i>			
" " double or single plate coupling, vertical or horizontal.....	<i>double</i>			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	<i>.26</i>	<i>5 x 3 x 3 1/2</i>	<i>.30</i>	<i>-</i>	<i>-</i>
" " Second	<i>.30</i>	<i>6 x 3 x 3 1/2</i>	<i>.30</i>	<i>-</i>	<i>-</i>
" " Third	<i>.33</i>	<i>12 x 3 x 3 1/2</i>	<i>.30</i>	<i>-</i>	<i>-</i>
" " Holds	<i>.33</i>	<i>12 x 3 x 3 1/2</i>	<i>.30</i>	<i>-</i>	<i>-</i>
COLLISION " (in Hold)	<i>.48</i>	<i>4 x 3 x 3 1/2</i>	<i>.24</i>	<i>9 x 3 x 3 1/2</i>	<i>6'0</i>
AFTER PEAK " "	<i>.48</i>	<i>11 x 3 x 3 1/2</i>	<i>.24</i>	<i>9 x 3 x 3 1/2</i>	<i>4'0</i>

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	<i>The Steel Co. of England Ltd.</i>
	Has the Steel been tested as required by the Rules?	<i>Yes.</i>

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.)

Plans
Midship Section (as built)

Stern frame
Shaft Brackets
Propeller profile.

Alternatives (H-26)

Double bottom in Machinery space.

Pillars & girders in No 2 Hold & Tween decks.

Midship Section.

Plans, decks & bulkheads.

Rudders.

Stiffening under hold pillars.

Modified rudder coupling.

Deep tanks

Strengthening of bottom forward.

Pumping plan.

Aft end & bass framing.

Pore end framing & painting arrangements.

Pillars, girders & hatches.

Forward steel tiller

Midship deckhouses

Certificates.

Stern frame.

Propeller brackets

Tiller

Rudders

Drifts.

This vessel, excepting in regard to her length, is similar to the same
buildings Nos 530 & 531. T.S.M.V's 'ISIPINGO' & 'INCHANGA'.

		Cwt. - lbs.					
Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	46	1	26 (includ pins),	K.H.,	4460,	22-10-24
	2nd "	44	0	4 do	J.Q.,	344,	16-10-28
	3rd "	46	0	26 do	J.Q.,	348,	16-10-28
	Stream	16	5	26 do	A.B.,	6334,	26-12-30

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) 2 decks steel; 3rd deck in
Nos 1, 2, 3 & 4 Halls. Upper deck sheathed with Oregon pine 2 1/2" in thickness.

Official No. 163207 : Signal Letters G.W.R.K.

Is bottom of Vessel coated with cement ho. if not give

particulars of composition Mineral oil in oil fuel tanks. Cement wash in fresh water tanks.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	123	318		Fore peak tank,	21	43	
Double bottom, under Engines and Boilers, Red water	12	44		After peak tank,	18	164	
Double bottom, under Engines only, Lub. oil		26		Deep tank, in , Amidships (upper)	24	350	
Double bottom, under Boilers only, Red water	36	201		Deep tank, forward, do (lower)	24	410	
Double bottom, forward,	163.25	626		Other tanks, if fitted,			
	Total capacity of double bottom	1248		(If necessary, furnish further information by sketch.)			

Total length of double bottom tanks (including upper tanks) = 360.25'. Capacities given in tons salt water.

Order for Special Survey No. 836

Date 23rd August 1933.

Dates of Surveys held while building

1933

Aug 9. 14. 15. 19. 21. 24. 28. 29. 30 Sept 1. 4. 5. 6. 7. 8. 11. 13. 15. 18. 19. 20. 21. 26 Oct 3. 5. 8. 12. 13. 19. 20. 23. 26. 27
Nov. 8. 14. 17. 20. 21. 22. 23. 24. 28. 30 Dec 1. 5. 6. 7. 8. 11. 12. 15. 19. 22. 29 Jan 4. 11. 15. 23. 26. 30
Feb 5. 6. 9. 13. 15 Mar 2. 8. 15. 26 Apr 5. 6. 9. 13. 15. 23.

Total No. of Visits

75