

STEEL STEAMER or MOTORSHIP.

Received at London Office.. 2 JUN 1934

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 28 May 1934 Port of Copenhagen No. 9376.
Survey held at Odense Date First Survey 22-3-33 Last Survey 16-5-1934On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *steel single screw motorvessel "TARONGA"*
State Type (Full Scantling, Complete Superstructure with or without Tonnage Operations) *complete superstructure with tonnage operations* State Type of Erections *poop & f/cle*TONNAGE under 6176.64 CLASS +100 A1 State if with freeboard as condition of Class *no* Built at Odense
Do. 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 470'-0" Launched 20-1-34 Yard No. 50
Total 6176.64 Breadth (greatest moulded) B 61'-0" Builders *Messrs Odense Staalvarksværk*
Gross Tonnage 7002.76 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 42'-11" Owners *S/S Den Norske Afrika og Australielinie*
Register Tonnage 4245.47 1st Longitudinal Number (L x D) = 18603 Managers *Willh. Wilhelmsen*
2nd Numeral L x (B + D) = 47273 (Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS.

Length 484.0 Feet. Framing Depth "d." at middle of length. See Sec. 3 (1d) 18.16
Breadth 61.3 Proportions—Depth to Length—Uppermost continuous deck to top of keel 10.95 Port of Registry *Tønsberg*
Depth 29.0 Draught Moulded 27'-5" If surveyed while building, afloat, or in dry dock during construction.

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	820	✓	Bracket Floors, Frame	
" " from $\frac{3}{4}$ length to Collision bulkhead	685	✓	" " Reversed Frame	<i>none</i>
" " in peaks	610	✓	" " Vertical Struts	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1175 16
Frame Amidships, Angle, <i>E or F</i>	280 90 12	✓	" " top Angles <i>double</i>	90 90 14
" " Extends up to	3 rd deck	✓	" " bottom Angles <i>double</i>	130 130 17 16.5
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	2 11-12 where flanged
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	1070 14.25
Depth of Framing Girder	✓		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	150 150 12
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	200 90 10	✓	" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	150 150 12
" " Second 'tween Decks, Angle, <i>E or F</i>	200 90 10	200 90 9.5	" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	10.5 continuous plate
" " Third " " "	✓		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	<i>do</i>
Framing in Peaks, Angle, <i>E or F</i>	200 90 10.5	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1850 12.5
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 135	✓	INNER BOTTOM PLATING.	
State if Frame Joggled	<i>yes</i>		Breadth and thickness of Middle Line Strake	1420 14-12 AE c 14 in MR
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Fore of coll. bld. - 2 stringers spaced 1800 Z and panting beams 230-90-165 every 2 nd frame aft of coll. bld. - 3 stringers spaced 1800 Z from f. 156 c 141 to coll. bld. also deep frames 300-90-165 from f. 153-coll. bld. ✓ Shell plating increased in way of strakes A, B, C, bottom frame double from $\frac{1}{2}$ L paid to coll. bld. 3 extra intercostals $\frac{1}{2}$ height each side c double legs on intercostals to shell for d of $\frac{1}{2}$ L paid.		Thickness of remainder in Holds	12-11 AE c 14 in MR
STRENGTHENING OF BOTTOM FORWARD. State Particulars			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in <i>engine</i> space and framing in <i>Rankers and Boiler Room</i> ?	<i>yes</i>
SINGLE BOTTOM.			BEAMS.	
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	200 90 12.5
Height of Brackets at side above base line at toe of frame			" " in way of <i>motor room</i>	230 90 9.5
Middle Line Keelson, on Floors, Angles, <i>E or F</i>			Spacing	<i>every frame</i>
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, <i>E or F</i>	230 90 13
" " Foundation Plate on Floors			Spacing	<i>every frame</i>
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, <i>E or F</i>	230 90 9.5
Side Keelsons, No. each side			Spacing	<i>every frame</i>
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, <i>E or F</i>	✓
" " Angles			Spacing	✓ 165 75 8.5
DOUBLE BOTTOM.			Poop Deck, Angle, <i>E or F</i>	150 75 8.5
Solid Floors, thickness and spacing	<i>11 every frame</i>		Spacing	<i>every frame</i>
" " Are Frame and Reversed Frame joggled?	<i>yes</i>		Bridge Deck, Angle, <i>E or F</i>	✓
Bracket Floors, breadth and thickness at middle line	<i>none</i>		Spacing	✓
" " breadth and thickness at margin plate			Forecastle Deck, Angle, <i>E or F</i>	180 75 9.5
			Spacing	<i>every frame</i>

PILLARS AND DECKS.

	^{MZ} IN IN SHIP.	Any Departure from Approved Plans to be Noted.	^{MZ} IN IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS , No. of Rows.....	2 in holds & lower hr.-decks 3 in upper hr.-decks.		Stringer Plate, breadth and thickness in way of Bridge at ends	1000 9 ✓
" " " " "	in between Decks, Size and Spacing Sides { 203 x 10 tubular widely spaced to 178 x 10 - " - " - " - "		Thickness of Plating abreast Deck openings) in way of Wells	10.5 - 8 AE ✓
" " " " "	Centre { 150.75 x .75 .9 L at hatch ends and 75 MZ on every 2nd frame		Thickness of Plating abreast Deck openings) in way of Bridge	✓
" " " " "	Sides { 432 x 14 tubular widely spaced to 330 x 12.5 - " - " - " - "		Thickness of Plating within line of openings...	9 - 8 AE (10.5 in way of O.T.) ✓
" " " " "	in holds " " " Sides { 584 x 17 tubular widely spaced to 381 x 14.5 - " - " - " - "		If Sheathed, material and thickness	✓
Centre Line Bulkhead.	Holds { 280 90 12 L to every 2nd ft. to 200 75 9 L every ft. lower hr.-decks 130 65 7.5 L - " - "		Third Deck.	
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....	1810 8.5 (10.5 in way of O.T.)
Plating, thickness of	{ 7.5 in holds 6.5 in lower hr.-decks		If Plated, state thickness.....	7.5 (- " - " - ")
STRINGERS AND DECKS.			Fourth Deck.	
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	} none
Stringer Plate, breadth and thickness in Walls	1800 19.5 ✓		If Plated, state thickness	
" " " " " al ends	1040 11 ✓		Poop Deck.	
" " " " " in way of Bridge			Stringer Plate, breadth and thickness	1000 9.5 ✓
" Angle in Walls	150 150 18 ✓		Plating, Sheathing, material and thickness ...	6.5 MZ with 6.5 Z O.P. ✓
Thickness of Plating abreast Deck openings) in way of Wells	13.5 - 9 AE ✓		Bridge Deck.	
Thickness of Plating abreast Deck openings) in way of Bridge motor room.....)	14.5 ✓		Stringer Plate, breadth and thickness.....	} none
Thickness of Plating within line of openings...	10.5 - 9 AE ✓		Plating, Sheathing, material and thickness ...	
If Sheathed, material and thickness	✓		Forecastle Deck.	
Second Deck.			Stringer Plate, breadth and thickness.....	915 9.5 ✓
Stringer Plate, breadth and thickness in Walls...	1810 10.5 ✓		Plating, Sheathing, material and thickness ...	9 no sheathing ✓

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			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.		
FLAT PLATE KEEL	13 95 13 95	22 22	19.5 19.5	19.5 19.5	✓	double	25 25	100 100	4 ✓	25 25	95 95	lapped	
„ DBLG. (if any)	✓					✓							
BOTTOM PLATING, No. of Strakes 5. }		17.5	15	14	{ Shakes ABC 19.25 from 1/4 L - 3/8 L for 1/4 L - - - - 21.0 from 3/5 L - coll. 1/4 L. all inclusive 1.75 1/2 O.E.	double	22	90	4 ✓	22	90	lapped	
BILGE PLATING, No. of Strakes 1. }		17.5	16	17.5		- - -	22	90	4 ✓	22	90	- - -	
SIDE PLATING, No. of Strakes 6. }		16.75	12.5	12.5	{ Forward of 15% from stem 23.5 1/2 from 2' above to 2' below BWL as O.E.	- - -	22	90	3 ✓	22	80	- - -	
UPPER DECK, Sheer- strake in Wells..... }	13 20	22	12.5	12.5		incl. 2 1/2 O.E.	- - -	25	100	4 -	25	100	- - -
UPPER DECK, Sheer- strake in Bridge ... }		✓											
STRAKE BELOW Sheer- strake in Wells..... }	17 00	20	12.5	12.5	incl. 2 1/2 O.E.	double	25	100	4 -	25	100	lapped	
STRAKE BELOW Sheer- strake in Bridge ... }		✓											
POOP SIDE PLATING				10	✓	single	19	75	1 -	19	65	- - -	
BRIDGE SIDE PLATING ...		✓											
FOREO'TLE SIDE PLATING			10.5			single	19	75	1 ✓	19	65	- - -	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

WATER-TIGHT BULKHEADS.		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)					
" Deck next below					
As per Rule					
		STIFFENERS.			
Plating Thickness.		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD., Upper tween decks		4.5	150.75-9 Z	1510 Z	
" " Second "		7-6.5	130.65-7.5 Z	1325 Z	✓
" " Third "		✓			
" " Holds		10.5-7.5	230.90-14-10.5	686 Z	✓
COLLISION " (in Hold)		13.5-8	250.75-9.5	536-2	2 panting stringers
AFTER PEAK " "		12.5-7.5	230.90-11.5	610	2 panting stringers in A.P.
		x) see drawing forwarded herewith			
STEEL.		Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)			
		plates & profiles :- Vereinigte Stahlwerke A/G.			
		Has the Steel been tested as required by the Rules?			
		yes			
		KEEL, Bar			
		STEM			
		STERN FRAME			
		RUDDER—A x D			
		Speed of Vessel			
		RUDDER mainpiece at head			
		" " heel			
		" how constructed			
		" double or single plate			
		" coupling, vertical or horizontal			

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.)

Approved plans:-

Midship section (3 off)
Profile & deck plans (2 off)
Shell expansion
Bulkheads & painting arrangements
Stern
Bulkheads
Deep tanks for oil
Tunnel & tunnel tanks
Pillars & girders
Ventilator cleanings on upper deck
Wash plate in deep tanks for oil.
(The approved plan of motor seating has accidentally been destroyed after use and can therefore not be forwarded)
take from Gen. Bore

Certificate:-

Rudder (3 off)
Rudder post
Rudder head
Stern frame
Deck pillars
Copy of interim certificate.

/also plan of forepeak bulkhead forwarded herewith as scantlings are not identical with scantlings approved.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	Head			Shank		
	1st Bower	2nd	3rd	1st Bower	2nd	3rd
	57.2.10 JQ 664 10.7.33	57.1.24 JQ 663 10.7.33	49.3.0 JQ 665 10.7.33	22.2.22 JQ 667 10.7.33	22.2.27 JQ 666 10.7.33	20.3.18 JQ 668 10.7.33

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 42.46 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 51.06 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) 2nd dk (stl), 3rd dk (stl) except in after

Official No. ✓ : Signal Letters L I U A Is bottom of Vessel coated with cement only in Fe AP hull if not give particulars of composition ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	oil capacity Feet. Tons.	*Length. Feet. Tons.	Water Capacity. Tons.	Where Fitted.	oil capacity Feet. Tons.	*Length. Feet. Tons.	Water Capacity. Tons.
Double bottom, aft,	279.5	22.96	303.5	Fore peak tank,	13.42		206.4
Double bottom, under Engines and Boilers,	✓			after peak tank, (Fresh water)	6.10		94.3
Double bottom, if under Engines only,	432.5	14.76	469.5	Tunnel side tanks	382.7		415.6
Double bottom, if under Boilers only,	789.1	59.22	856.6	Deep tank, forward,	1324.8	9.02	1438.3
Double bottom, forward,	1501.1		1629.6	Other tanks, if fitted,			
				(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. 54

Date 23-5-33

Dates of Surveys held while building

1932: 22/3, 1933: 30/3, 7/4, 3/6, 16/5, 23/6, 8/6, 17/6, 6/7, 20/7, 26/7, 3/8, 5/8, 7/8, 25/8, 31/8, 5/9, 12/9, 19/9, 28/9, 4/10, 12/10, 19/10, 26/10, 31/10, 6/11, 13/11, 17/11, 22/11, 28/11, 5/12, 10/12, 14/12, 19/12, 1934: 3/1, 7/1, 8/1, 11/1, 19/1, 25/1, 1/2, 13/2, 21/2, 28/2, 7/3, 13/3, 20/3, 3/4, 26/4, 30/4, 16/5, 1/6, 1/3.

Total No. of Visits 52.