

Rpt.

STEEL ~~STEAMER~~ ~~OR~~ MOTORSHIP.

Received at London Office

18 SEP 1930

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

13th Sept 1930

Port of

Göteborg

No.

8060

Survey held at

Göteborg

Date First Survey

11th Sept. 1929

Last Survey

8th Sept.

1930

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

T. S. M. S. "CAPELLA"

Machinery aft.

State Type

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

Full Scantling Carrying Petroleum in Bulk

State Type of Erections

Poop & Forecastle.

TONNAGE under Tonnage Deck.

8911.23

CLASS

+ 100 A. I.

State if with freeboard as condition of Class

No

Built at

Göteborg.

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

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

L 474.0

Breadth (greatest moulded)

B 64.0

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

D 37.0

1st Longitudinal Number (L x D)

= 17538

2nd Numeral L x (B + D)

= 47874

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

12.81

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

Do. Long Bridge to top of keel

Draught Moulded

26'-10 1/2"

Launched 21st May 1930 Yard No. 236

Builders Enskings Mek. Verkstads A.B.

Owners Trelleborgs Ångfartygs

Nya Aktieföretag

Managers F. Malmros

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

Residence Trelleborg

Port of Registry Trelleborg

If surveyed while building, afloat, or in dry dock

Building, afloat & in floating dock.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	M.M. IN SHIP.	Any Departure from Approved Plans to be Noted.	M.M. IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	Longitudinal framing see back of Report		Bracket Floors, Frame	✓
" " from 3/4 length to Collision bulkhead	685		" " Reversed Frame	✓
" " in peaks	610		" " Vertical Struts	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1580 x 12
Frame Amidships, Angle, [or]			" " top Angles	double 90 90 13
" " Extends up to			" " bottom Angles	double 130 130 15
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	2 @ 11.0
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	Tank Top Flush 14.0
Depth of Framing Girder	Longitudinal framing		" " Vertical Angle to Tank side	100 100 16
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Bracket abaft 1/4 len. from stem	double
" " Second 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side	
" " Third " " " "			" " Bracket forward 1/4 len. from stem	
Framing in Peaks, Angle or [230 90 11.0		" " Gussets, spacing and scantling abaft 1/4 len. from stem	
Diameter and Spacing of Rivets through Frame and Shell Plating	22 @ 125		" " Gussets, spacing and scantling forward 1/4 len. from stem	
State if Frame Joggled	No		Tank Side Brackets, height above base line at toe of Frame and thickness	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Stringers in Peak See Plan		INNER BOTTOM PLATING, in Machinery Space.	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Shredded Shell extra girders Double rivet frame bottoms		Breadth and thickness of Middle Line Strake	2040 x 14
SINGLE BOTTOM.			Thickness of remainder in Holds	14.0
Floors, Depth and thickness at mid-line 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?	✓
Height of Brackets at side above base line at toe of frame			BEAMS.	
Middle Line Keelson, on Floors, Angles, [or]			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	
" " Through Plate or Intercostal Plate			" " in way of Bridge, Angle, [or]	
" " Foundation Plate on Floors			Spacing	
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, [or]	
Side Keelsons, No. each side			Spacing	
" " thickness of Intercostal Plate			Third Deck, amidships, Angle, [or]	
" " Angles			Spacing	
DOUBLE BOTTOM, in Machinery Space.			Fourth Deck, amidships, Angle, [or]	
Solid Floors, thickness and spacing	11 @ 825		Spacing	
" " Are Frame and Reversed Frame joggled?	frames only		Poop Deck, Angle, [or]	
Bracket Floors, breadth and thickness at middle line	✓		Spacing	
" " breadth and thickness at margin plate	✓		Bridge Deck, Angle, [or]	
			Spacing	
			Forecastle Deck, Angle, [or]	
			Spacing	

PILLARS AND DECKS.

	mm. INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		mm. INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....			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	11.5	
" " " " "			Thickness of Plating abreast Deck openings in way of Bridge		
" in Holds			Thickness of Plating within line of openings...		
" " " " "			If Sheathed, material and thickness		
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	B.A. 300 to 230 see plan		Stringer Plate, breadth and thickness.....		
Plating, thickness of	13-11.5		If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	2130 x 17.0		If Plated, state thickness		
" " " " in way of Bridge			Poop Deck.		
" Angle in Wells	160 160 18		Stringer Plate, breadth and thickness	990 x 9.5	
Thickness of Plating abreast Deck openings in way of Wells	17.0		Plating, Sheathing, material and thickness ...	7.0 at 2 1/2"	
Thickness of Plating abreast Deck openings in way of Bridge			Bridge Deck.		
Thickness of Plating within line of openings...	12.5-13.5		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...	1890 x 12.5		Stringer Plate, breadth and thickness.....	915 x 9.5	
			Plating, Sheathing, material and thickness ...	9.0 not sheathed	

SHELL PLATING.

SCANTLINGS.						RIVETING.					
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if forged?	No.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.	
	inches. mm.	inches. mm.	inches. mm.	inches. mm.					inches. mm.	inches. mm.	
FLAT PLATE KEEL	1700	25.0	20	20		double	25	5	28	127	overlaps
" DBLG. (if any)											
BOTTOM PLATING, No. of Strakes		1 @ 19.0	18.5-15	15	A	double	22	4	25	100	overlaps
BILGE PLATING, No. of Strakes		2 @ 17.0	18.5-13.5	14	B.C.				22	90	overlaps
SIDE PLATING, No. of Strakes		18.0	18.5-13.5	14	D.E.	"	"	"	"	"	"
UPPER DECK, Sheer- strake in Wells.....		16.5	12.5	12.5	F.G.H.	upper edge of E	80	"	"	"	"
UPPER DECK, Sheer- strake in Bridge ...	1835	22.5	12.5	13.0	K	"	80	"	"	"	"
STRAKE BELOW Sheer- strake in Wells.....						"	25	5	25	115	"
STRAKE BELOW Sheer- strake in Bridge ...	2070	20.0	12.5	12.5	J.	double lower edge	22	5	25	115	overlaps
POOP SIDE PLATING				10.5		single	19	single	19	65	overlaps
BRIDGE SIDE PLATING ...											
FORECASTLE SIDE PLATING			11.0			single	19	single	19	65	overlaps

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	16
" Deck next below	1 to fore Deep T.T.
As per Rule	8

	Plating Thickness. mm.	STIFFENERS.	
		VERTICAL.	HORIZONTAL.
		Scantlings, Spacing. mm.	Scantlings, Spacing. mm.
MIDSHIP BULKHEAD, Upper tween decks			
" " Second			
" " Third			
" " Holds	10-13	3 transverse see plans	B.A. stiffeners
COLLISION	7-12	230 x 90 x 11 BA 130 x 75 x 10 BA	4 high supports
AFTER PEAK	7.5-11.5	200 x 75 x 9.5 BA	610 2 "

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings. mm.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar			Flat plate	Keel
STEM		280 x 70	Vereinigte Stahlwerke AG Mannesmann	
STERN FRAME { Propeller Post	Casting	see plan	Stahlwerk Krieges	
{ Rudder				
RUDDER—A x D	Forged	Semi Balanced	Wittkowitz	
Speed of Vessel		11.5	Bergbau + Bismarck	
RUDDER mainpiece at head ...		354		
" " heel ...		265		
" how constructed			Built, Arms Shunt & Keyed on	
" double or single plate			Single	
" coupling, vertical or			horizontal	
" horizontal				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process.*
Société Anonyme d'Albion-Grivegnée, Vereinigte Stahlwerke, Usines Metallurgiques du Hamant,
Société Anonyme à Coilliet, Société Anonyme d'Angée-Marichaye, Darsin des Acieries, David Colville
 Has the Steel been tested as required by the Rules? *Yes.* *Sas Ltd. Frodingham Iron & Steel Works.*

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 now forwarded:

Midship Section

Longitudinal Section

Section in way of No 9 tank.

The End Sections

Plan of doublings at transverse O.T.B.H.S.

Transverse in pump room (2 plans)

Air fuel breaker

Stem frame & rudder

Shell Expansion

Shaft brackets

Brass Casting

Double Bottom & Motor Seats

Recess for Barge Connection

Aft End Sections

Hatches for fuel oil tanks &c

Mountings for same

Fore Peak, fuel oil tank, & dry cargo hold.

Forward Offendium Bulkheads.

Also Midship Section and

Trans. O.T.B.H. plan, as built, and forging & casting reports forwarded.

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

1st Bower 54.1.14; K.H.; 10146; 24.1.30;
2nd " 53.8.21; K.H.; 10147; 24.1.30;
3rd " 54.1.16; K.H.; 10145; 24.1.30;

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 101.0 ft., R.Q.D. ft., Bridge ft., Forecastle 41.5 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 dks (ste) & web frames.

Official No. 7670 ; Signal Letters K.H.G.P.

Particulars of composition in peaks only.

Is bottom of Vessel coated with cement part if not give

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Salt Water Capacity. Tons.	Where Fitted.	Length. Feet.	Salt Water Capacity. Tons.
Double bottom, aft,			Fore peak tank, W.B.		
Double bottom, under Engines and Boilers,			After peak tank, W.B.	26	222
Double bottom, if under Engines only, 99.05; 22.10; 92.50.	67.6	226	Deep tank, aft, O.F. 555	26	243
Double bottom, if under Boilers only,			Deep tank, forward, O.F. 487	10.8	630
Double bottom, forward,			Other tanks, if fitted, Deep tank aft above 2 nd dk. O.F. 65	31.3	555
			(If necessary, furnish further information by sketch.)	10.8	75

Total length of double bottom = 67.6 ft.

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

Order for Special Survey No. 104

Date 18th April, 1929

Dates of Surveys held while building

1929. Sept. 11. 17. 18. 19. 24. Oct. 2. 2. 8. 8. 16. 22. 28. 28. Nov. 5. 7. 11. 20. 27. 27. Dec. 2. 3. 9. 13. 18. 1929. Jan. 2. 3. 7. 13. 16. 16. 22. 27. 31. Feb. 3. 7. 11. 12. 14. 17. 17. 20. 20. 25. 26. 26. 26. March 3. 6. 7. 10. 12. 12. 13. 13. 15. 15. 18. 21. 24. 24. 27. 27. 28. 28. April 1. 1. 2. 4. 4. 5. 8. 10. 15. 16. 17. 22. 22. 24. 24. 25. 25. 27. 27. 20. May 1. 1. 5. 8. 8. 9. 12. 12. 16. 17. 20. 20. 21. 23. 26. 28. June 2. 4. 4. 6. 6. 11. 16. 17. 17. 20. 20. 27. July 1. 1. 2. 4. 4. 8. 9. 9. 10. 11. 11. 12. 14. 14. 15. 15. 17. 21. 21. 23. 24. 24. 25. 26. 27. 27. 29. 30. 31. 31. Aug. 1. 1. 1. 2. 4. 4. 6. 7. 8. 8. 9. 9. 11. 12. 12. 13. 14. 15. 15. 16. 17. 18. 17. 20. 21. 22. 23. 23. 23. 25. 25. 26. 26. 27. 27. 28. 28. 29. 30. Sept. 2. 4. 4. 5. 8. Total No. of Visits 186

Has the Steel been tested as required by the Rules: ☒

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.			
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	Diam.	Spang.	mm.	mm.
Framing of $\frac{1}{2}$ L and C																
Frames in Bridge 'tween Decks																
Frames from Uppermost Continuous Deck																
spacing.																
760																
equal spacing round Bilge																
725																
990																
15 to 22																
23 to 24																
Spacing of Longitudinal Frames																
Amidships																
At Ends																
Double Bottoms																
L, L or C																
Tank Top Longitudinals																
Bottom																
Spacing of Longitudinals																
Amidships																
At Ends																
Note: There are 2 transverses in all main tanks except No. 9 in which there are three																
Transverses.																
Depth and Thickness																
Face Angles																
Lugs to Shell																
Depth and Thickness																
Face Angles																
Lugs to Shell																
Depth and Thickness																
Face Angles																
Lugs to Shell																
Back Bars																
Brackets																
Spacing of Transverse Frames																
State if joggled or liners.																
Longitudinal Beams of																
Upper																
Second																
Third																

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

5c.11.28. T.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

NOTE. Midship scantlings are between aft cofferdam and aft end of No. 9 tank (Tanks numbered from aft) Fore End Scantlings are in No. 9 tank and deck tank. Aft end Scantlings are in Engine Room & O.F. Bunker.

Double bottom, under Engines and Boilers,

After peak tank, w.b.

26

243

Scav