

STEEL STEAMER or MOTORSHIP.

Received at London Office

14 JAN 7

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

11th January

1936

Port of Oslo

No. 4857

Survey held at Fredrikstad

Date First Survey 14th May 1936

Last Survey 23rd December 1936

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

single screw steamer "HERMA GORTHON"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Opening)

Complete Superstructure with tonnage opening aft

State Type of Erections Compl. superstr.

TONNAGE under Tonnage Deck

1434.8

CLASS 100 A1

State if with freeboard

Yes

Strengthened for navigational condition of Class

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

L 91.44

Breadth (greatest moulded)

B 13.41

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

D 8.26

1st Longitudinal Number (L x D)

= 742.49

2nd Numeral L x (B + D)

= 1968.70

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

4.906

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

11.07

Draught Moulded

Built at Fredrikstad

Launched 25th November 1936 and No. 281

Builders Fredrikstad Mek. Verktsted

Owners Rederiaktiebolaget GYLFE

Managers Johan Gorthon

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

Residence Halsingborg

Port of Registry Halsingborg

If surveyed while building, afloat, or in dry dock

Yes

FRAMES, DOUBLE BOTTOM AND BEAMS.

	mm IN SHIP.	Any Departure from Approved Plans to be Noted.	mm IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	670	✓	Bracket Floors, Frame	180 90 9 ✓
" " from $\frac{3}{8}$ length to Collision bulkhead	670	✓	" " Reversed Frame	165 75 9 ✓
" " in peaks	610	✓	" " Vertical Struts	165 75 9 ✓
FRAMING.			Centre Girder, depth and thickness amidships	905 11.5 9.5 ✓
Frame Amidships, Angle, E or F	200 75 11	✓	" " top Angles	75 75 10 ✓
" " Extends up to	2nd deck		" " bottom Angles	90 90 11.5 ✓
" " Forward of fr. 67	200 75 12.5	✓	Side Girders, No. each side and thickness	0mo 9.25 ✓
Reversed Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	660 10.5 ✓
" " Extends up to			" " Vertical Angle to Tank side	90 90 9 ✓
Depth of Framing Girder	200		" " Bracket abaft $\frac{1}{2}$ len. from stem	90 90 9 ✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	150 75 11	✓	" " Vertical Angle to Tank side	90 90 9 ✓
" " Second 'tween Decks, Angle, E or F			" " Gussets, spacing and scantling	Every 3rd 9 ✓
" " Third " " " "			" " abaft $\frac{1}{2}$ len. from stem	Every 3rd 9 ✓
Framing in Peaks, Angle or F	150 75 8.5	✓	" " Gussets, spacing and scantling	Every 3rd 9 ✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	R-19 135 sp.	✓	" " forward $\frac{1}{2}$ len. from stem	Every 3rd 9 ✓
State if Frame Joggled	Yes		Tank Side Brackets, height above base line at toe of Frame and thickness	1385 9 ✓
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	Deep frame and intercostal struts in hold from fr. 116 to fr. 52 dia.	✓	INNER BOTTOM PLATING.	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Extra intercostal struts in hold from fr. 116 to fr. 52 dia.	✓	Breadth and thickness of Middle Line Strake	- 2440 10 ✓
DOUBLE BOTTOM.			Thickness of remainder in Holds	- - 9.25 ✓
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?	- - Yes ✓
Height of Brackets at side above base line at toe of frame			BEAMS.	
Middle Line Keelson, on Floors, Angles, E or F			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	180 75 10 ✓
" " Through Plate or Intercostal Plate			" " in way of Bridge, Angle, E or F	Every frame
" " Foundation Plate on Floors			Spacing	Every frame
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, E or F	220 90 11 ✓
Double Keelsons, No. each side			Spacing	Every frame
" thickness of Intercostal Plate			Third Deck, amidships, Angle, E or F	- - -
" Angles			Spacing	- - -
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, E or F	- - -
Mid Floors, thickness and spacing	8.75 every 4th ft.	✓	Spacing	- - -
" Are Frame and Reversed Frame joggled?	Yes	✓	Poop Deck, Angle, E or F	- - -
Bracket Floors, breadth and thickness at middle line	680 8.75	✓	Spacing	- - -
" breadth and thickness at margin plate	680 8.75	✓	Bridge Deck, Angle, E or F	- - -
			Spacing	- - -
			Forecastle Deck, Angle, E or F	- - -
			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.....				
" in 'tween Decks, Size and Spacing	Wide spaced, at hatch ends. 320 130 12 ✓			
" " { Fore Hold, " I }	{ 320 130 10 200 75 10 320 300 13/22			
" in Holds { " } { " } { after Hold " }	{ 310 130 13 250 90 12 320 130 13 250 90 11.5 320 130 10 230 90 13 320 130 10 200 75 12 320 130 10 230 90 11	✓		
Centre Line Bulkhead. " - }	{ 320 130 10 200 75 12			
Stiffeners and Spacing	- " - [{ 320 130 10 230 90 11			
Plating, thickness of				
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	2050 1125 10 ✓			
" " " " in way of Bridge	deck house 15 x 23 ✓			
" Angle in Wells				
Thickness of Plating abreast Deck openings) in way of Wells	9 /			
Thickness of Plating abreast Deck openings) in way of Bridge deck house.....)	9 /			
Thickness of Plating within line of openings...	7.5 /			
If Sheathed, material and thickness	- - -			
Second Deck.				
Stringer Plate, breadth and thickness in Wells...				
Stringer Plate, breadth and thickness in way of Bridge				
Thickness of Plating abreast Deck openings) in way of Bridge				
Thickness of Plating within line of openings...				
If Sheathed, material and thickness				
Third Deck.				
Stringer Plate, breadth and thickness				
If Plated, state thickness.....				
Fourth Deck.				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness				
Poop Deck.				
Stringer Plate, breadth and thickness				
Plating, Sheathing, material and thickness ...				
Bridge Deck.				
Stringer Plate, breadth and thickness.....				
Plating, Sheathing, material and thickness ..				
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	Plating athwartships			
Plating, Sheathing, material and thickness ..	8			

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <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. mm.	Inches. mm.	Inches. mm.	Inches. mm.									Inches. mm.
FLAT PLATE KEEL	2430	14	13.25	13.25	✓	Double	22	90	Three	22	80	Strapped	
" DBLG. (if any)	-	-	-	-		-	-	8 1/4	-	-	-		
BOTTOM PLATING, No. of Strakes 2...	2435	11.75	13	10.5	✓	Double	19	75	Three	19	65	Lapped	
BILGE PLATING, No. of Strakes 1...		11.75	17.5	10.5	✓	Double	19	75	Three	19	65	Lapped	
SIDE PLATING, No. of Strakes 2...	2435	11.75	17.5	10.25	✓	Double	19	75	Three	19	65	Lapped	
UPPER DECK, Sheer- strake in Wells.....	2435	13.	10.25	10.25	✓	Double	22	90	Four	22	90	Lapped	
UPPER DECK, Sheer- strake in Bridge ...	-	-	-	-				8 3/4					
STRAKE BELOW Sheer- strake in Wells.....	2435	11.75	17.5	10.25	✓								
STRAKE BELOW Sheer- strake in Bridge ...	-	-	-	-									
POOF SIDE PLATING	-	-	-	-									
BRIDGE SIDE PLATING ...	-	-	-	-									
FOREC'TLE SIDE PLATING	0	9.	9.25	-	✓								

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

WATER-TIGHT BULKHEADS.					
Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c) <u>2</u>					
Deck next below <u>2</u>					
As per Rule <u>5</u>					
STIFFENERS.					
	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
" " Second "					
" " Third "	<u>6.5</u>	<u>150 x 75 x 9.5</u>	<u>E.R. aft bhd.</u>	<u>760</u>	<u>Aluminum plate</u>
" " Holds	<u>8.5</u>	<u>150 x 75 x 10</u>	<u>E.R. fwd bhd.</u>	<u>745</u>	
" " " "	<u>7.5</u>	<u>110 x 75 x 8.5</u>	<u>a.a.</u>	<u>1610</u>	
COLLISION " (in Hold)	<u>10</u>	<u>150 x 75 x 8.5</u>	<u>a.a.</u>	<u>1610</u>	
AFTER PEAK " "	<u>7.5</u>	<u>100 x 65 x 8.5</u>	<u>a.a.</u>	<u>-760</u>	
	<u>8</u>	<u>90 x 65 x 8</u>	<u>a.a.</u>	<u>610</u>	

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	—	mm.	—	—
STEM	Plates & bars	<u>23</u>	<u>Electr welded.</u>	
Stern Frame { Propeller Post	<u>casting</u>	<u>465 x 190</u>	<u>also known as Magnifying Buckle.</u>	
{ Rudder "	—	—	—	
Speed of Vessel		<u>13 knots</u>		
Rudder—Type.....	<u>Simplex</u>		<u>Deutsche Werft A.G. Hamburg.</u>	
" A x D		<u>4.13</u>		
" Diam. of head		<u>183</u>		
" Mainpiece at top pintle	<u>dia.</u>	<u>210</u>		
" heel—"		<u>200</u>		
" how constructed		<u>Built of plates & bars electrically welded</u>		
" double or single plate		<u>double plate 12 mm.</u>		
" coupling, vertical or horizontal		<u>Horizontal</u>		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	<u>Open Hearth</u>
	<u>Dortmund Hoerder Hüttenverein (Hoerde), Colville Ltd., Dalzell, Vithovitzer Bergbau & Eisen Hütten Werkshaff,</u>
	<u>August Thyssen Hütte, Strömmer Versteht; Union des Acieries.</u>
	Has the Steel been tested as required by the Rules? <u>Yes</u>

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.)

casting reports are enclosed herewith.

The approved plans are not returned, & plans in all cases having been submitted in triplicate.

Letters from the owners regarding the omission of the forehold bulkhead, & electric welding are enclosed herewith.

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

Strengthened for navigation in ice
Rudder electrically welded.

Intermediate bulkhead in fore hold dispensed with, & photo.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	29.2.4. 15. 1431. 11.9.36	Cast Steel shank: 11.2.20. 15. 1434. 11.9.36
	2nd "	29.0.7. 15. 1430. 11.9.36	" " 11.2.17. 15. 1433. 11.9.36
	3rd "	25.1.27. 15. 1432. 11.9.36	" " 11.2.15. 15. 1435. 11.9.36
	Cast Steel Stream anchor	11.0.23. 15. 1436. 11.9.36	

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 or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks Two - steel.

Official No. 8122 ; Signal Letters S. J. W. N. Is bottom of vessel coated with cement ho. if not give particulars of composition.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	83' 6 1/4"	168.5	Fore peak tank,	20' 2"	80.0
Double bottom, under Engines and Boilers,	37' 4 1/2"	115.5	After peak tank,	24' 10"	70.0
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	120' 10 1/2"	251.0	Deep tank, forward,		
Double bottom, forward,	Total capacity of double bottom	535.0	Other tanks, if fitted,		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).
241-9 1/4

Order for Special Survey No.

Date 20/3/36

Dates of Surveys held while building

1936
May 14th - 28th; July 21st & 30th; August 7th & 31st; September 14th - 24th;
October 1st, 5th, 8th, 15th, 22nd & 27th; November 4th, 11th, 20th, 24th & 25th;
December 1st, 7th, 8th, 12th, 16th, 22nd & 23rd.

Total No. of Visits 26