

STEEL STEAMER OR MOTORSHIP.

Received at London Office 9 MAY 1949

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

28-4-49

Port of Groningen.

No. 329a

Survey held at MartenshoekDate First Survey 29-4-48Last Survey 14-4-1949.

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

Steel Single Screw M.V. "HADA". Mch. Aft.

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

Full scantlingState Type of Erections F.R.Q.D., Poop.

TONNAGE under Tonnage Deck ...

292.64

CLASS

*100A1

State if with freeboard as condition of Class

No.

M.

Built at MartenshoekLaunched 25-11-48Yard No. 373.Builders Bodewas' Scheepswerven.Owners J. Sint.Managers Dammers & v.d. Heide.
(Where necessary to be entered in Reg. Book)Residence Dordrecht.Port of Registry Dordrecht.

If surveyed while building, afloat, or in dry dock building.

REGISTERED DIMENSIONS.

FEET

Length 144.1Breadth 27.1Depth 9.6

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

L 43.38

Breadth (greatest moulded)

B 8.25

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

D 3.45

1st Longitudinal Number (L x D)

149

2nd Numeral L x (B + D)

505

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

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

12.5

Do. Long Bridge to top of keel

Draught Moulded

3398

FRAMES, DOUBLE BOTTOM AND BEAMS.

	IN SHIP.	Any Departure from Approved Plans to be Noted.	IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	550 ✓		Bracket Floors, Frame Channel	130 65 8 ✓
" " from 1/2 length amidships to Collision bulkhead	550 ✓		" " Reversed Frame Channel	130 65 8 ✓
" " in peaks	550 ✓		" " Vertical Struts Channel	130 65 8 ✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	700 ✓ 8 1/2 ✓
Frame Amidships, Angle, <u>100 x 75</u>	100 75 9	100.65.8 ✓	" " top Angles	E.W. ✓
" " Extends up to	main deck ✓		" " bottom Angles	E.W. ✓
Reversed Frame Amidships, Angle	100 65 8		Side Girders, No. each side and thickness	1 ✓ 8 ✓
" " at alternate frame	main deck ✓		Margin Plate depth (excl. of flange) and thickness	720 ✓ 8 1/2 ✓
" " Extends up to	main deck ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	E.W. ✓
Depth of Framing Girder	100 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	E.W. ✓
Frames in Uppermost Continuous 'tween Decks, Angle, <u>100 x 75</u>	-		" " Gussets, spacing and scantling abaft 1/4 len. from stem	-
" " Second 'tween Decks, Angle, <u>100 x 75</u>	-		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	-
" " Third	-		Tank Side Brackets, height above base line at toe of Frame and thickness	750 ✓ 7 6 1/2 ✓
" " from 1/2 len. for'd. to 15% len. from Stem	100 75 9	100.75.8 ✓	INNER BOTTOM PLATING.	
" " in Peaks, Angle or <u>100 x 75</u>	100 75 9	100.75.8 ✓	Breadth and thickness of Middle Line Strake	1500 8 7 1/2 ✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 ✓ 7d ✓		Thickness of remainder in Holds	7 ✓
State if Frame Joggled	no ✓		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?	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes ✓		BEAMS.	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes ✓		Uppermost Continuous Deck, amidships in Wells, Angle, <u>100 x 75</u>	150 90 10 130.65.9 ✓
SINGLE BOTTOM.			Halfbeams, <u>100 x 75</u>	75 65 8 ✓
Floors, Depth and thickness at mid-line in Holds			" " Spacing	550 ✓
Height of Brackets at side above base line at toe of frame			Second Deck, amidships, Angle, <u>100 x 75</u>	-
Middle Line Keelson, on Floors, Angles, <u>100 x 75</u>			" " Spacing	-
" " Through Plate or Inter-costal Plate			Third Deck, amidships, Angle, <u>100 x 75</u>	-
" " Foundation Plate on Floors			" " Spacing	-
" " Flat Plate Keel Angles			Fourth Deck, amidships, Angle, <u>100 x 75</u>	-
Side Keelsons, No. each side			" " Spacing	-
" " thickness of Inter-costal Plate			Poop Deck, Angle, <u>100 x 75</u>	130 65 8 ✓
" " Angles			" " Spacing	100 65 8 ✓
DOUBLE BOTTOM.			" " Spacing	115 65 7 ✓
Solid Floors, thickness and spacing	2200 ✓ 6 1/2 ✓		Bridge Deck, Angle, <u>100 x 75</u>	550 ✓
" " Are Frame and Reversed Frame joggled?	no ✓		" " Spacing	-
Bracket Floors, breadth and thickness at middle line	560 7 550x6 1/2 ✓		Forecastle Deck, Angle, <u>100 x 75</u>	100 65 8 90.65.8 ✓
" " breadth and thickness at margin plate	560 7 6 1/2 ✓		" " Spacing	550 ✓

PILLARS AND DECKS.

		X IN SHIP.		Any Departure from Approved Plans to be Noted.		X IN SHIP.		Any Departure from Approved Plans to be Noted.	
		mm.				mm.			
Cantilevers 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 67.									
in 'tween Decks, Size and Spacing									
in Holds									
Centre Line Bulkhead.									
Stiffeners and Spacing		100	75	8	90	60	7		
Plating, thickness of			550	6-7					
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells		1200		11					
" " " " in way of Bridge		RQD 1200		8					
" Angle in Wells		100	100	10	75	75	8		
Thickness of Plating abreast Deck openings in way of Wells									
Thickness of Plating abreast Deck openings in way of Bridge									
Thickness of Plating within line of openings				7					
If Sheathed, material and thickness				unsheathed					
Second Deck.									
Stringer Plate, breadth and thickness in Wells									
Stringer Plate, breadth and thickness in way of Bridge									
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness						50	O.P.	6	
Bridge Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness									
Forecastle Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness								6-9	

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? yes, except C strake.					
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	BUTTS.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or to cr.		Diam.	Spacing or to cr.
	mm.	mm.	mm.	mm.			Inches.	Inches.			
Flat Plate Keel	1350	11	10 1/2	10	10 1/2-10	D	3/4	78	E.W.	-	-
" Dblg. (if any)											
Bottom Plating, No. of Strakes	1850	8 1/2	9	8		S	5/8	61	2	5/8	57 1/2
Bilge Plating, No. of Strakes	1250	8 1/2	9	8		S	5/8	61	2	5/8	57 1/2
Side Plating, No. of Strakes	850	8 1/2	8	8		S	5/8	61	E.W.	-	-
Upper Deck, Sheer-strake in Wells	1450	15	8	-		S	3/4	78	2	3/4	66
Upper Deck, Sheer-strake in Bridge	870	11	-	8 1/2		S	3/4	78	2	3/4	66
Strake below Sheer-strake in Wells	1800	9	8	7	8 1/2-8-7	S	3/4	78	2	3/4	66
Strake below Sheer-strake in Bridge	1450	8 1/2	-	7		S	5/8	61	2	5/8	57 1/2
Poop Side Plating				6		S	5/8	61	2	5/8	57 1/2
Bridge Side Plating											
Forecastle Side Plating			6			S	5/8	61	2	5/8	57 1/2

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	3
" Deck next below	0
As per Rule	3

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks									
" " Second "									
" " Third "									
" " Holds		7-9 1/2	130.8	725					
COLLISION " (in Hold)		7-9 1/2	130.65	9 600					
AFTER PEAK " "		7-10	130.8	600					

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	flat plate keel			
STEM	soft nose			
STERN FRAME { Propeller Post	F	150.80	Benes	
{ Rudder "	EW.	16	Benes	
Speed of Vessel	not exceeding 12 knots			
RUDDER—Type	Oertz.			
100.A x D		176		
" Diam. of head	F	135	Benes	
" Mainpiece at top pintle	-			
" " heel	-			
" how constructed	E.W.			
" double or single plate	D.			
" coupling, vertical or	H.			
" 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.
K.N.Hoogovens, IJmuiden. British Steel, Corvilles.	
Has the Steel been tested as required by the Rules?	yes.

0137 2/2

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.)

Midship Section, Profile, Decks, Double Bottom, Shell expansion, Bulkheads Rott. ltr. 21-6-48.
Rudder & Sternframe " " 2-8-48.
Motorseating " " 2-7-48.

PARTICULARS OF ELECTRIC WELDING (if employed)

Butts of keel and bilgeplating. Rudder & Rudderpost.
Bulkheads.
Deckhouses.
Coamings.
Part of D.B. and Motorseating.

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

Cruiser stern. "pt Elec welded"
D.F.

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

1st Bower 293 Kgs. / W.H. Nr. 3256 30-7-48. ✓
2nd " 295 " / W.H. Nr. 3255 30-7-48. ✓
3rd " —

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 39.2 ft., R.Q.D. 48.9 ft., Bridge — ft., Forecastle 22.3 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated —

Official No. Signal Letters P.E.M.I. Extreme Breadth over Belting — Over-all Length 158.0
(Circ. 1611) (Circ. 1703)

No. and Material of Decks one steel deck.

Parts of Bottom of Vessel coated with cement or approved composition bottom cemented ✓

Particulars of composition (if fitted) and of approval —

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	—	—	Fore peak tank,	14.6	36
Double bottom, under Engines and Boilers,	—	—	After peak tank,	9.0	10.5
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	88.8	91.5	Other tanks, if fitted, counter	—	6.5
Total length (if continuous) and Capacity	(If necessary furnish further information by sketch.)				

Order for Special Survey No. 73.

Date 15-7-48.

Dates of Surveys
held while building

1948 April 29; May 4, 19; June 9; July 10, 19, 27; Aug. 11, 14, 24; Sep. 9, 24;
Oct. 6, 14, 20, 27, 29; Nov. 3, 4, 9, 10, 13, 16, 23, 24, 25; Dec. 14, 22; Jan. 7, 14;
Feb. 12; March 1, 8, 16, 23, 28, 29, 31; April 5, 7, 14.

Total No. of Visits 41.