

STEEL STEAMER OR MOTORSHIP.

Received at London Office

27 JAN 1947

State if Report has been sent on the Freeboard of the Vessel no.

State if Report is sent on the Machinery of the Vessel Yes

Date of completion of report 18-1-47

Port of GRONINGEN

No. 198 a.

Survey held at Delfzijl

Date First Survey 23-1-46

Last Survey 15-1-

19 47.

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

single screw Motorvessel "ARBO"

Mach. aft.

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

Full scantling

State Type of Erections Bridge & Forecastle

TONNAGE under Tonnage Deck ... 150

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

Total

Gross Tonnage 200

Net Tonnage 126

REGISTERED DIMENSIONS.

FEET

110.04

20.8

7.68

CLASS 100A1.

State if with freeboard as condition of Class

No.

"Coasting Service"

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 108.27

Breadth (greatest moulded) B 20.75

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 8.36

1st Longitudinal Number (L x D) 2246.5

2nd Numeral L x (B + D) 3153.7

Framing Depth "d," at middle of length. See Sec. 3 (1d) 7.2

Proportions—Depth to Length—Uppermost continuous deck to top of keel 12.94

Do. Long Bridge to top of keel 7.7

Draught Moulded

Built at Waterhuizen

Launched Yard No. 805

Builders N.V. Scheepsw. Gebr. v. Diepen

Owners Mr. J. de Boer

Managers

(Where necessary to be entered in Reg. Book)

Residence Delfzijl

Port of Registry Delfzijl

If surveyed while built and afloat, or in dry dock

yes

FRAMES, DOUBLE BOTTOM AND BEAMS.

	MIN. THICK. IN SHIP. mm.	Any Departure from Approved Plans to be Noted.		MIN. THICK. IN SHIP. mm.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	500	✓	Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead.....	500	✓	" " Reversed Frame.....		
" " in peaks	500	✓	" " Vertical Struts		
DE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, 65 x 65	65 65 7	✓	" " top Angles		
" " Extends up to.....	main deck	✓	" " bottom Angles.....		
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness.....		
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder.....	125 75 7	not on plan	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	-		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, [or]	-		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....		
" " Third	-		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from Stem	-		Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle 65 x 65	65 65 7	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7 x d 5/8"	✓	Breadth and thickness of Middle Line Strake...		
State if Frame Joggled.....	No	✓	Thickness of remainder in Holds		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	as approved	✓	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 way of the Bottom Forward in accordance with the Rules and/or as approved?	as approved	✓	BEAMS.		
INGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, 65 x 65	90 65 7	✓
Floors, Depth and thickness at mid-line in Holds.....	350 x 8	✓	" " in way of Bridge, Angle, 65 x 65	90 65 7	✓
Height of Brackets at side above base line at toe of frame.....	Rev. Bar 75 x 55 x 7	✓	" " Spacing	500	✓
Middle Line Keelson, on Floors, Angles, 65 x 65	65 65 7	✓	Second Deck, amidships, Angle, [or]	-	
" " Through Plate or Inter-costal Plate	Intercostal plate 6"	✓	" " Spacing	-	
" " Foundation Plate on Floors	2 x 150 x 6	✓	Third Deck, amidships, Angle, [or]	-	
" " Flat Plate Keel Angles	75 75 7	✓	" " Spacing.....	-	
Side Keelsons, No. each side.....	one	✓	Fourth Deck, amidships, Angle, [or]	-	
" " From FR No. 40:58 two thickness of Intercostal Plate.....	6	✓	" " Spacing.....	-	
" " Angles	65 65 7	✓	R.O. Deck, Angle, 65 x 65	90 65 7	✓
DOUBLE BOTTOM.			" " Spacing.....	500	✓
Solid Floors, thickness and spacing			Bridge Deck, Angle, [or]	-	
" " Are Frame and Reversed Frame joggled?			" " Spacing.....	-	
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, [or]	90 65 7	✓
" " breadth and thickness at margin plate.....			" " Spacing.....	500	✓

PILLARS AND DECKS.
PILLARS, No. of Rows
Stringer Plate, breadth and thickness in way of Bridge
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...
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...
Bridge Deck.
Stringer Plate, breadth and thickness...
Plating, Sheathing, material and thickness...
Forecastle Deck.
Stringer Plate, breadth and thickness...
Plating, Sheathing, material and thickness...

EQUIPMENT No. LETTER ANCHORS.
Number of Certificate. Anchors. Weight, Ex. Stock. Weight of Stock. Test, per Certificate. Weight Required by Table 53. Description of Anchor. Makers. Where and when tested, and Superintendent.

CHAIN CABLES. HAWSERS AND WARPS.
Number of Certificate. Length and size supplied. Test per Certificate. Weight of Chain Cable. Description. Makers of Cables. Where and when tested, and Superintendent. Material. Length and size supplied. Breaking Test of Steel Wire. Length and size per Table 53.

Steering Gear, Type (Power or hand) Hand Alternative Means of Steering Blocks & Tackles
Steering Chains (Size and Test) None Windlass hand Boats one
Ceiling in Holds, thickness and material 50 Pine Cargo Battens, thickness, material and spacing pine 2"-9"
Cargo Hatchways. (Upper Deck) Steel plate & angle Thickness of Hatches 75 mm
Size of Hatchways No. 1 (Fwd.) 5.500x3.900 No. 2 5500x3800 No. 3 No. 4 No. 5 No. 6
Number of Shifting Beams Two in No.1 Hatchway three in No.2 Hatchway.
Builder's Signature

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel motorvessel
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo no. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).
The vessel has been placed on slipway, bottom and rudder examined, hold, engineroom and peaks proper cleared and cleaned, rivets of shellplating, bottom and decks thoroughly examined, frames, floorplates, keelsons, engine seatings, beams and beamknees, decks, w.t. bulkheads, shellplating made free from oxidation, examined, Drilled holes in plating. Removed a number of rivets, found scantlings in accordance with the approved plans and workmanship satisfactory. Bottom plating inside and floors recoated with oil. Arrangements in way of forebody of the ship found satisfactory. Fore-and afterpeak tanks have been tested under pressure as required by the Rules, found sound and tight. Steering gear and windlass tested under working condition, found satisfactory.

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

FORGINGS AND CASTINGS.
KEEL, Flat Keel plate
STEM forging 150x24
STERN FRAME Propeller Post forging 148x65 Rudder forging 148x65
Speed of Vessel not exceeding 10 Kn.
RUDDER Type Double plate rudder

Committee's Minute 21 FEB 1947
Character assigned 100A1 For Service in the Mediterranean, Black Sea, Red Sea
including the Azores
S.S. Ero - 1,47
Classed 1,47
Machinery
Note for S.R.A.
Lloyd's Register

SHELL PLATING.
SCANTLINGS.
STRAKES.
AS IN VESSEL.
ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.
RIVETING.
EDGES.
BUTTS.
STRAPPED OR LAPPED.
Flat Plate Keel
Dblg. (if any)
Bottom Plating, No. of Strakes
Bilge Plating, No. of Strakes
Side Plating, No. of Strakes
Upper Deck, Sheer-strake in Wells
Upper Deck, Sheer-strake in Bridge
Strake below Sheer-strake in Wells
Strake below Sheer-strake in Bridge
Poop Side Plating
Bridge Side Plating
Forecastle Side Plating

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.)

Profile, Midship section, Decks, Bulkheads approved by Secretary's letter 12-3-46.

Rudder & Sternframe approved in Rotterdam office 18-3-46.

PARTICULARS OF ELECTRIC WELDING (if employed)

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Vessel to be classed 100A1 "Coasting Service" with the trading limits: for service in the Mediterranean, Black Sea and Red Sea and European and North West African including the Azores, Canary and Cape Verde Isles.

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

1st Bower
2nd
3rd

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. 24.6 ft., Bridge 9 ft., Forecastle 16.4 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.C.T.A. Extreme Breadth over Belting 20.9. Over-all Length 117.2

No. and Material of Decks one steel deck coated with oil

Parts of Bottom of Vessel coated with cement or approved composition

Particulars of composition (if fitted) and of approval

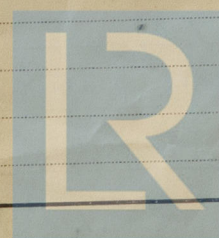
PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	—	—	Fore peak tank,	13.2	20
Double bottom, under Engines and Boilers,	—	—	After peak tank,	5.	9
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	—	—	Other tanks, if fitted,	—	—
Total length (if continuous) and Capacity	—	—	(If necessary furnish further information by sketch.)	—	—

Order for Special Survey No.
Request for Spec.
Survey attached
Date herewith.

Dates of Surveys
held while building

23-1-46; 8, 20, 24-5-46; 11, 23, 25-10-46; 10-12-46; 8, 15-1-47.



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