

GOVERNMENT
WRITTEN.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

W406-0107

18 MAY 1931

Index No. 34014.

(For London Office only.)

No 12262.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Amsterdam
Date of Survey Whitbread Building
Name of Surveyor H. P. Jones

Ship's Name. Motor Vessel "NEPTUNUS" Port of Registry and Nationality. Dutch Official Number. ✓ Gross Tonnage. ✓ Date of Build. 1931 Particulars of Classification. + 100 A1. Contemplated

Registered Dimensions from Ship's Register. Length. 149.2 Breadth. 25.58 Depth. 9.4 Under Deck Tonnage. 309.45

Length on LOADLINE. 148.4 Frame Depth 4" Ceiling Rule 3" Sheer +46 Peak Tanks included

CORRECTED DIMENSIONS. Length. 148.58 Breadth. 25.75 Depth. 10.84 Under Deck Tonnage. 309.45

Moulded Depth as measured 11-4 1/2 measured 4'0" abaft
Addition for Keel below base line for draught record 0.80 inches. 11-1 9/16" to use

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

Co-efficient of fineness 780.806
Any modification necessary [Para. 4 (a) to (e)]* C.D.B.
Co-efficient as corrected 76.79

CORRECTION FOR LENGTH.
Length of Ship on Loadline 148.4 148.58
Length in Table 136.19 133.56
Difference 12.39 15.02
Correction for 10ft., Table A. .9 Table C. .5
× Difference divided by 10 1.11 (if required.) .62.75
If 1/10ths length covered divide by 2 + 1 1/4 + 1/2 3/4

Sheer {Stem 59 } 87.25 ÷ 2 = 43.62 Mean 41.36
at {Sternpost 28 1/4 } 24.36
36 16.50
46

Sheer at 1/2 of the length from {Stem 31 1/8 } 45.5 ÷ 2 = 22.75 Mean 41.36
{Sternpost 14 3/8 } ÷ 55 = 41.36

Gradual mean Sheer 22.75
Standard mean Sheer [Table, Para. 18] 14.92 Correction 7.83 ÷ 4 = 1.96
Difference 14.92 ÷ 4 = 1.86
§ If limited as Para. 18 (f) 2 - 2" 13/4

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered 4003.398
Thickness of usual wood deck, less stringer 2 5/8 2" x 40 = 1.20 - 1/4
allowed in M.S. Depth reduces

Rise in Sheer {At front of bridge house 4 1/4 }
from amidships {At after end of forecastle 3 3/4 }
[Para. 18 (e)]

Fall in Sheer 3/16 = .19 sheer amidships 3/16
Para. 18 (d) is 4-0 ÷ 2 = .09 as 11-4 M.L.D. = 4'0"
Length uncovered abaft amidships Nil Correction

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships 25-5
Round of Beam 9
Normal round 6.35
Difference 2.65 ÷ 2 = 1.32
Proportion of Deck uncovered (Para. 19) 1.32 x .59 = .78 - 3/4

ALLOWANCE FOR DECK ERECTIONS:—
Freeboard, Table C. 0 - 3 1/2
Correction for Length, if required (Para. 12, 13, and 14) + 1 3/4
Freeboard by Table A. corrected for sheer, and for length, if required (Para. H, 12, 13, and 14) 1 - 9
Difference 1 - 5 1/4
Percentage as below 25.8% 482
4.42

Freeboard, Table A 1 - 8 7/4
Correction for Sheer - 2 1/4
Correction for Length + 1 1/4
Allowance for Deck Erections 1 - 7 1/4
Correction for Round of Beam - 4 1/4
Correction for fall in Sheer (if any) 1 - 2 1/2
Correction for Steel Deck (if required) - 3/4
Additions for non-compliance with provisions of Para. 11 (d) and (e) + 1 1/2
Other Corrections (if any) 1 - 1 1/2

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) - 4 1/2
Allowance for Deck Erections

Winter Freeboard 1 - 1/2 2 1/4
Summer Freeboard 0 - 4 1 - 0 3/4
Indian Summer Freeboard
N. A. Winter Freeboard

Length. overhang Length allowed. Height.
Forecastle 18-7 + 2' 0" 8 19.32 6-10 1/2
Bridge House 17-5 18.99
† Raised Qr. Dk. 40-16 6-10 1/2
Poop 30-2 + 2' 0" 8 40.16
Total 60.59 59.15 59.48 3981
148.58 = 408 148.58 = 3.20 eighths
Corresponding percentage 48%
(Para. 11, 12, 13, and 14) 25.8%

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side.
9-9 (11.64/12.7) = 9-7.56 = 1.44
Winter Freeboard from deck line 1 - 2 3/4
Summer " " " " 1 - 0 1/2 2 1/4
Indian Summer " " " " 21.5
N. A. Winter " " " " 1 - 2 1/2 1 - 0 1/2 2

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, (Steel) Deck:—
Fresh Water Line above centre of Disc
Indian Summer Line
Winter Line below
Winter North Atlantic Line

State dimensions of freeing port area on back of this form.
The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.

20, 190. T.
If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

MARKING FORM
JUN 1931
RECEIVED

© 2019

Lloyd's Register

Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? *✓* Bridge House? *✓* Forecastle? *yes*
 To what height do the Reverse Frames extend? *reverse frame in hold at every 3rd frame as approved extend to deck*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *no openings*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *no* Has the Bridge House an efficient Bulkhead at the fore end? *✓*
 Give particulars of the means for closing the openings in Bulkhead *✓*
 What is the thickness of the ^{poop} Bridge Front-plating? *.30* and Coaming plate? *41 x .34*
 Give scantlings and spacing of the Stiffeners *5 5 1/2 x 2 1/2 x .36 with reverse angle 2 1/2 x 2 1/2 x .28 spaced 30" apart*
 Are bracket plates fitted at each end of the Stiffeners? *angle lugs* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *✓*
 How are the openings closed? *✓*
 Is the Forecastle at least as high as the main or top-gallant rail? *yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *steel bulkhead*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *by a poop*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *plating .28 stiffeners 2 1/2 x 2 x .24 spaced 30" apart*
 What is the height of the exposed Casings? *6-6" above poop deck* Are suitable means provided for closing all openings in them in bad weather? *yes*
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of the Rules? Give particulars below: *see below*

Position.	N ^o 1 hatchway	N ^o 2 hatchway							
Size.	32-0 x 14-5	34-0 x 14-5							
Height above top of DECK	39 1/4	39 1/4							
COAMING Thickness Sides.....	.40	.40							
Ends.....	.40	.40							
SHIFTING BEAMS OR WEB PLATES. Number	5	5							
Section and Scantlings	14 x .34	14 x .34							
Material	1L 3 1/2 x 3 x .40	1L 3 1/2 x 3 x .40							
* FORE AND AFTERS. Number									
Section and Scantlings	✓	✓							
Material									
HATCHES Thickness	2 1/2 pine	2 1/2 pine							
Remarks.....									

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of keel to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.
 What is the thickness of the Bridge Sheerstrake? *✓* Strake between Main and Bridge Sheerstrakes?

Delete the words { The Crew are, ~~are not~~, berthed in the bridge house. *poop space*
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well *92.0*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *18.34* Sq. ft.

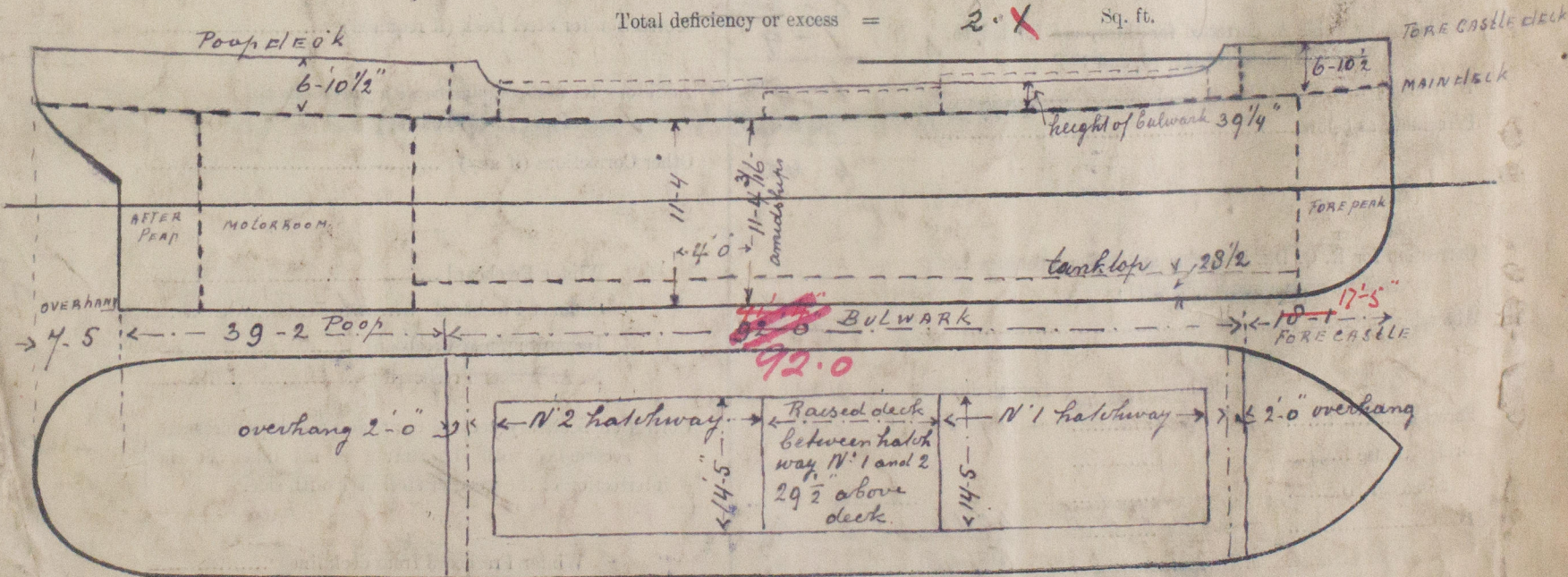
Ft. Tenths. Ft. Tenths. No.

on S/B 2, 4 x 1, 7 x 5

on P.S. 2, 4 x 1, 7 x 5

Freeing Ports (each side of vessel) = *20.40* Sq. ft.

Total deficiency or excess = *2.06* Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel *The vessel has been built in accordance with the approved plans*

Builder's name and yard number *Scheepswerf F.A. - J. SMIT en Zn Foxhol. Yard N^o 45*

Names of sister vessels

Owners *N.V. Motor schip Neptunus (Manager J. J. Onnes)*

Address *Groningen*

Fee *36*

Received by me *16 P. J. J. J.*

Freeboard Application form follows