

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

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 *Rotterdam*Date of Survey *Building*Name of Surveyor *J. J. Heerwagen*

Ship's Name. <i>Motor vessel</i> MACUBA	Port of Registry and Nationality. <i>The Hague</i> Dutch	Official Number. 469	Gross Tonnage.	Date of Build. 1930/1931	Particulars of Classification. 100 A1 contemplated carrying petroleum in bulk
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
Length on LOADLINE.	<i>450.07</i> 450.0	<i>62.00</i> 61.91	<i>34.12</i> 35.28	<i>7476.34</i> 7570.32
CORRECTED DIMENSIONS.	450.0	61.91	35.28	7570.32

Moulded Depth as measured... *34.0*Addition for Keel below base line for draught record... *1.52* inches.*Keel plate + A stake.*

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	450
Length in Table	408
Difference	42
Correction for 10ft., Table A.	1.7
× Difference divided by 10	7.14
If $\frac{5}{16}$ ths length covered divide by 2	+7.14

Table C.	.8
(If required.)	3.36
	+3.14

34.0
1.32
35.32
1.3
36.62

35.32
3.2
32.12
+ 3.12
35.24

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

770
Bolton longitudinal
.78

Sheer { Stem..... <i>10.0</i> } at { Sternpost <i>5.0</i> }	<i>180.12 ÷ 2 = 90.06</i> Mean	<i>36/34.76</i> <i>.96</i>
Sheer at $\frac{1}{2}$ of the length from { Stem <i>5.6</i> } Sternpost <i>2.8</i>	<i>98.75 ÷ 2 = 49.37</i> Mean	<i>÷ 55 = 89.76</i>
Gradual mean Sheer	89.76	
Standard mean Sheer [Table, Para. 18]	55.00	Correction
Difference.....	34.76	÷ 4 = 8.69
§ If limited as Para. 18 (f)		-8.34

Rise in Sheer { At front of bridge house..... <i>10.2</i> }	
from amidships { At after end of forecastle <i>6.6</i> }	
[Para. 18 (e)]	

Fall in Sheer { Para. 18 (d) } Length uncovered	÷ 2 =	Correction
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ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	6'-0 1/2"
Correction for Length, if required (Para. 12, 13, and 14)	+ 3 3/4"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14)	9'-2"
Difference	2'-10 1/4"
Percentage as below	25%
	8.56

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	8 1/2"
Allowance for Deck Erections	8 1/2"

Length.	Length allowed.	Height.
Forecastle..... <i>42.7</i>	42.58	<i>7.3</i>
Bridge House <i>34.10 5/8</i>	34.88	<i>7.3</i>
† Raised Qr. Dk.....		
Poop..... <i>102.6</i>	102.50	<i>7.3</i>
Total	179.96 = 400	
Length of Ship	450	
Corresponding percentage { Para. 11, 12, 13, and 14 }	25%	

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck:—

Fresh Water Line	above centre of Disc	...
Indian Summer Line	"	...
Winter Line	below	...
Winter North Atlantic Line	"	...

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† 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 sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

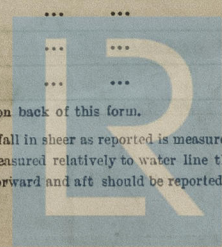
2m, 1.50. T.

† 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.

MARKING FORM
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FW - *16590*
40 x 36.12 = 1439



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Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? *yes* Bridge House? *yes* Forecastle? *yes*

To what height do the Reverse Frames extend? *yes*

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 *steel w. A. doors on hinges*

Is the Poop or Raised Quarter Deck connected with the Bridge House? *no* Has the Bridge House an efficient Bulkhead at the fore end? *yes*

Give particulars of the means for closing the openings in Bulkhead *steel w. A. doors on hinges*

What is the thickness of the Bridge Front plating? *.48* and Coaming plate? *.44*

Give scantlings and spacing of the Stiffeners *C 230 x 90 x 11 mm spaced 760 mm*

Are bracket plates fitted at each end of the Stiffeners? *yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *yes*

Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*

How are the openings closed? *putable plates fastened by hook bolts*

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? *yes steel*

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *yes covered by 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 *yes*

What is the height of the exposed Casings? *yes* 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: *steel oiltight hatches.*

Position.	Size.								
COAMING.	Height above top of DECK	Underdeck tonnage according to rule 1885 with 38" floors and 7 1/2" frames estimated 7219.79 Reg. Tons.							
Thickness	Sides								
	Ends								
SHIFTING BEAMS OR WEB PLATES.	Number	Moulded displacement at draught equal to 85% of the moulded depth 18030 M. ³							
	Section and Scantlings								
	Material								
* FORE AND AFTERS.	Number	Spaces between tank top and top longitudinal in motor space 78.13 Reg. Tons.							
	Section and Scantlings	" " top of floors in deep tank and top longitudinal 15.85 Reg. Tons.							
	Material								
HATCHES	Thickness								
	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? *fore castle.* Strake between Main and Bridge Sheerstrakes? *fore castle.*

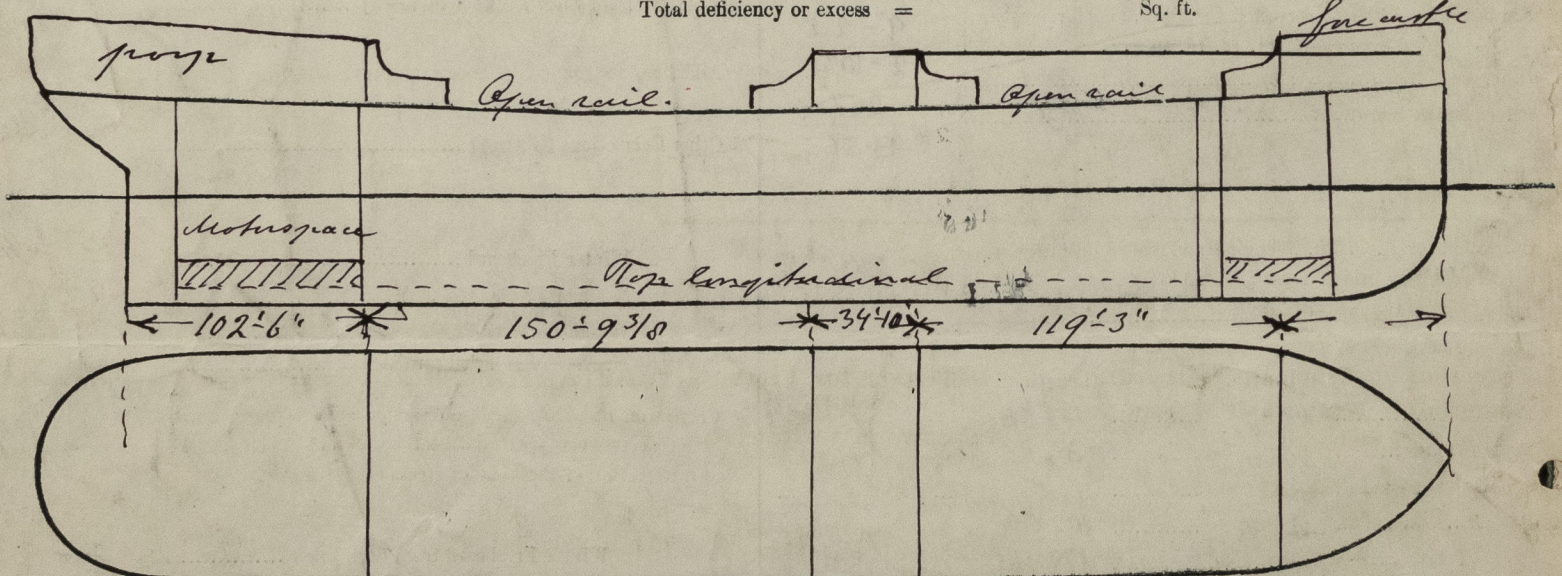
Delete the words { The Crew are, are not, berthed in the bridge house. *fore castle.*
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well *mostly open rail.*

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

Ft.	Tenths.	Ft.	Tenths.	No.	Freeing Ports (each side of vessel)	=	Sq. ft.
x	x	x	x				
x	x	x	x				

Total deficiency or excess = 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, copies of which are being retained in your office.*

Builder's name and yard number *N.V. Mach. fab. & Scheepswa. van W. Smitt Jr. No. 469.*

Names of sister vessels *Jand N's 617-618-124-320-321.*

Owners *Maukschappij La Corona.*

Address *S' Gravenhage.*

Fee *156.00*

Received by me *J. H. H. H.*

Application form will be sent *forwards.*