

22 FEB 1932

Index No. 8067
(For London Office only.)

34143

EXT 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 *Bilbao*
Date of Survey *whilst building*
Name of Surveyor *R. Crawford.*

T.S.M.S. "CAMPEADOR"
Ship's Name.
TWIN SCREW MOTOR OIL TANKER
CIA. EUSKALDUNA Nº 96.

Port of Registry
and Nationality.

Official
Number.

Gross
Tonnage.

Date of Build.

Particulars of Classification.
*+100 A-1 Carrying petroleum
in bulk.
longitudinal framing.
(Bracketless system) contemplated.*

Number in Register Book

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	456.64	59.31	33.96	6911.64
Length on LOADLINE.	455.0	Frame Depth 10' NO Rule " 4' Sheer - 33'	Ceiling + 20' Peak } Incl. Tanks } M.S. Tank = 166 Fore = 15.4	
CORRECTED DIMENSIONS.	455.0	59.14	33.83	7093.04

Moulded Depth as measured *34'-0"*
Rule wood to less str. 3 1/4"
33'-8 3/4" to less
Addition for Keel below base line for draught record *2 1/4"* inches.

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.....	455.0
Length in Table	404.75 408.0
Difference	50.25 47.0
Correction for 10ft., Table A.	1.7 Table C. 8
× Difference divided by 10	7.99 8.54
If 1/10ths length covered divide by 2	+ 8 1/2" ✓
	+ 4" + 3 3/4" ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	404
Thickness of usual wood deck, less stringer	3 1/4"
	<i>allowed in full depth - 1.31 = - 1 1/4" ✓</i>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	58'-6"
Round of Beam	14.5
Normal round.....	14.62
Difference	12 ÷ 2 = .06
Proportion of Deck uncovered (Para. 19)	nil ✓

NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.

Co-efficient of fineness..... *.779-*
Any modification necessary }
[Para. 4 (a) to (e)]* } *Bottom longitudinal*
Co-efficient as corrected *.79-*

Sheer { Stem..... *94' 88"* } *132.56 ÷ 2 = 66.28* ... Mean
at { Sternpost *37' 68"* } *33* ✓

Sheer at 1/3 of the length from { Stem *38.6* } *49.9 ÷ 2 = 24.95* ... Mean
{ Sternpost *11.3* }
Gradual mean Sheer *from curve* *43.47-*
Standard mean Sheer [Table, Para. 18] *55.5-*
Difference..... *12.03 ÷ 4 = 3.01*
Correction *+ 3" ✓*

§ If limited as Para. 18 (f)
No shear for 190'-0" amidships

Rise in Sheer { At front of bridge house.....
from amidships {
[Para. 18 (e)] { At after end of forecastle ✓

Fall in Sheer }
Para. 18 (d) } ÷ 2 =
Length uncovered ✓ Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	6'-8 1/2" ✓
Correction for Length, if required (Para. 12, 13, and 14)	+ 0.4 3 3/4
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14)	6 - 4 1/4 3/4
Difference	10 - 2 1/4 3/4
Percentage as below.....	3 - 10 1/4
	<i>.28</i> <i>25.14%</i> <i>= 11.5669</i>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)

Allowance for Deck Erections *= 11 1/2 3/4* ✓

	Length.	Length allowed.	Height.
Forecastle.....	45'-55"	44'-0" 42.0 ✓	4.5
Bridge House.....	25'-50"	30'-94" ✓	"
† Raised Qr. Dk. <i>15'-5" OVERHANG AT AFTER END</i> <i>2'-63" " AT FORE "</i>			
Poop.....	109' + 4'-0" OVERHANG	111.0 ✓	4
Total		188.94 ✓	40.0
Length of Ship	455.0		
Corresponding percentage { (Para. 11, 12, 13, and 14) }		<i>= 25.14%</i>	

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck:—	
Fresh Water Line above centre of Disc	6 1/2"
Indian Summer Line " " " "	6 1/2"
Winter Line below " " " "	6
Winter North Atlantic Line " " " "	6

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.

Winter Freeboard	9'-2 1/4" 4
Summer Freeboard	9'-5 1/4" 7
Indian Summer Freeboard	10'-2 1/4" 3
N. A. Winter Freeboard	- 11 1/2 3/4
	9'-2 1/4 3/4 ✓

Winter Freeboard from deck line	9 - 4 1/2 3/4
Summer " " " "	8 - 10 1/2 9 3/4
Indian Summer " " " "	8 - 4 1/2 3/4
N. A. Winter " " " "	

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.

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WS16-0066

Lloyd's Register
Foundation

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? *Longitudinal framing*
 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? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Two Mechanisms W.T. Steel Doors 1525 x 1760 mm*
 What is the thickness of the Bridge Front plating? *11.5 mm* and Coaming plate? *12.5 mm*
 Give scantlings and spacing of the Stiffeners *10 x 3 1/2 x 46 B.A.s spaced 965 mm apart*
 Are bracket plates fitted at each end of the Stiffeners? *Brackets at top 5-19 mm Rivets*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes* hor't. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 How are the openings closed? *Storm boards fitted full height in riveted channels*
 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? *no open forecastle houses inside*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *By Poop and Casings on same*
 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
 What is the height of the exposed Casings? *2285 mm 7-6* 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 Section 28 of the Rules for 1904-5? Give particulars below:— *Yes*

Position and Size.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Item.										
COAMING										
Height above top of DECK	<i>460 mm</i>									
Thickness										
Sides	<i>11 mm</i>									
Ends	<i>11 mm</i>									
SHIFTING BEAMS OR WEB PLATES										
Number										
Section and Scantlings										
Material										
* FORE AND AFTERS										
Number										
Section and Scantlings										
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 deck at side amidships to lower edge of lowest side scuttle.)

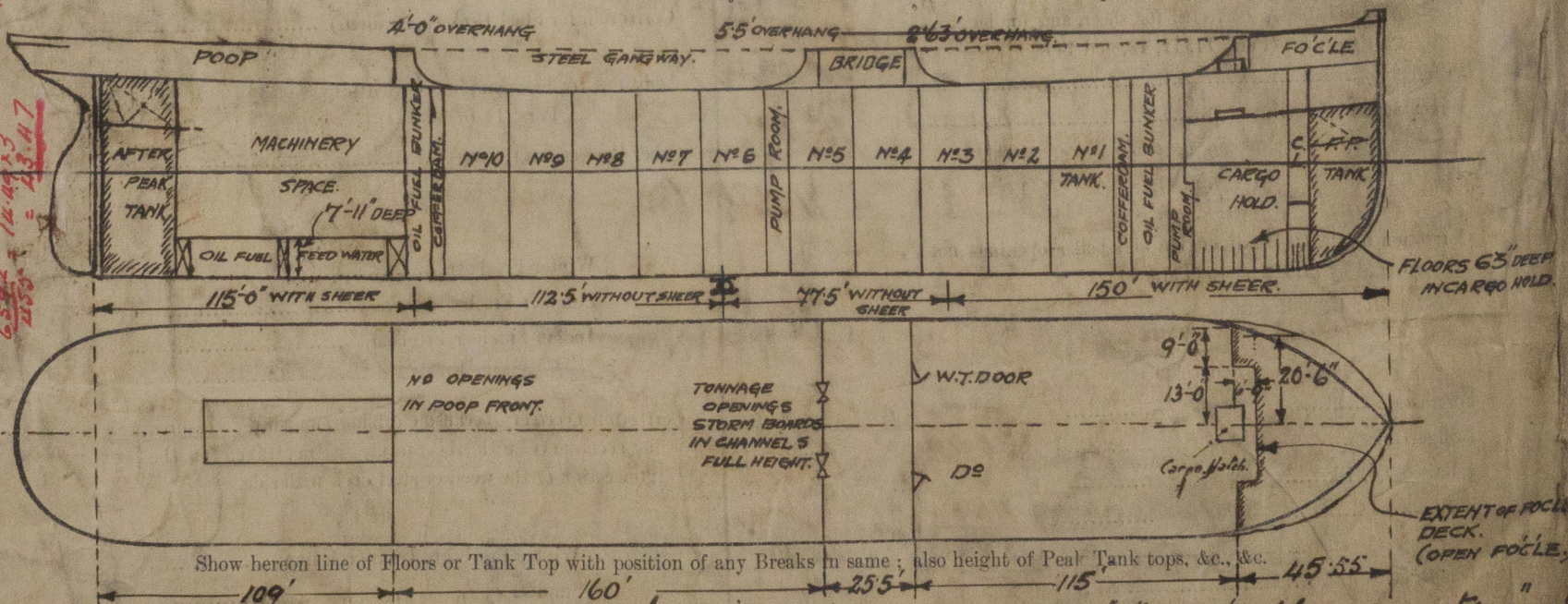
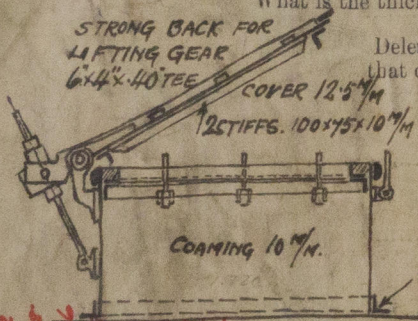
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? *Yes* Strake between Main and Bridge Sheerstrakes? *Yes*
 Delete the words { The Crew are, are not, berthed in the bridge house.
 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 *no bulwarks, open rails fitted*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *39.66 + 2* Sq. ft.

Ft. Tenth. Ft. Tenth. No. } Freeing Ports (each side of vessel) = *39.66 + 2* Sq. ft.

Total deficiency or excess = *39.66 + 2* Sq. ft.



State any special features in the construction of the Vessel *Longitudinal framing "Bracketless system"*
 Builder's name and yard number *Messrs Cia. Bustalana N° 96*
 Names of sister vessels *La. Sc. Motorship "Campanor" Messrs Cia. Bustalana N° 92*
 Owners *Messrs Compania Arrendataria del Monopolio de Petroleos S.A. 19*
 Address *Madrid* (Freeboard request form is forwarded here)
 Fee £ : Received by me