Rpt. C.11 (Comp.)

Amended

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

For LONDON OFFICE ONLY

Received _____

Index No. _____

Govt. Copy _____

Owners C11 _____

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
Empire Baltic				

Moulded Dimensions: Length 323·25 Breadth 54 Depth 27·0

Freeboard Length _____

Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons (excluding bossing)

Coefficient of fineness for use with Tables ·91 (amended)

Port of Survey _____

Date of ~~Survey~~ 29·5·56

Surveyor's Signature _____

Particulars of Classification _____

DEPTH FOR FREEBOARD (D).

Moulded depth ... ... 27·00

Stringer plate ... ... ·03

Wood Sheathing on exposed deck $T\left(\frac{L-S}{L}\right)$ = —

Depth for Freeboard (D) = 27·03

DEPTH CORRECTION.

(a) Where D is greater than Table depth (D—Table depth) R = (27·03 − 21·55) 2·486 = +13·62

(b) Where D is less than Table depth (if allowed) (Table depth—D) R =

If restricted by superstructures —

ROUND OF BEAM CORRECTION.

Moulded Breadth (B) 54

Standard Round of Beam = $\frac{B \times 12}{50}$ = 12·96

Ship's Round of Beam = Nil

Difference 12·96

Restricted to —

Correction = $\frac{\text{Diff}^{e}}{4} \times \left(1 - \frac{S}{L}\right)$ = $\frac{12·96}{4}$ = +3·24

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S_1)	Height	Height Correction	Effective Length (E)
Poop enclosed					
„ overhang					
R.Q.D. enclosed					
„ overhang					
Bridge enclosed					
„ overhang aft ...					
„ overhang forward ...					
F'cle enclosed					
„ overhang					
Trunk aft					
„ forward					
Tonnage opening aft ...					
„ „ forward ...					
Total					

Flush Deck

Standard Height of Superstructure _____

„ „ R.Q.D. _____

Deduction for complete superstructure _____

Percentage covered $\frac{S}{L}$ =

„ „ $\frac{S_1}{L}$ =

„ „ $\frac{E}{L}$ =

Percentage from Table, Line A. (corrected for absence of forecastle (if required))

Percentage from Table, Line B. (corrected for absence of forecastle (if required))

Interpolation for bridge less than ·2L (if required)

Deduction = Nil.

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	42·325	1	42·325	27·50	27·50	1	27·50
⅛L from A.P. ...	18·835	4	75·34	13·25	13·25	4	53·00
¼L „ ...	4·655	2	9·31	—	—	2	—
Amidships ...	0	4	0	0	0	4	0
¼L from F.P. ...	9·31	2	18·62	—	—	2	—
⅛L „ ...	37·67	4	150·68	—	—	4	—
F.P.	8465	1	84·65	35·38	35·38	1	35·38
Total ...			380·92				115·88

Mean actual sheer aft / Mean standard sheer aft = } Deficient.

Mean actual sheer forward / Mean standard sheer forward = }

$\frac{\text{Length of enclosed superstructure}}{L}$ forward of amidships =

„ „ aft of „ =

Correction = $\frac{\text{Difference between sums of products}}{18}\left(\cdot75 - \frac{S}{2L}\right)$ = $\frac{265·04}{18} \times \cdot75$ = +11·04

If limited on account of midship superstructure.

If limited to maximum allowance of 1½ ins. per 100ft.

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

	Ft.
Depth to Freeboard Deck =	27·03
Summer freeboard =	14·86
Moulded draught (d) =	12·18
Keel allowance =	—
Extreme draught =	
Deduction for Tropical freeboard and addition for =	—

Winter freeboard = $\frac{d}{4}$ inches = 3″

Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

△ =

Tons per inch immersion at summer load water line

T =

Deduction = $\frac{\triangle}{40\,T}$ inches

=

3″

TABULAR FREEBOARD corrected for Flush Deck ~~(if required)~~ 49·25 + 4·85 = 54·10

Correction for coefficient ·91 + ·68 1·59/1·36 = 63·25

	+	−
Depth Correction	13·62	—
Deduction for superstructures	—	—
Sheer correction	11·04	—
Round of Beam correction	3·24	—
Correction for Thickness of Deck amidships ...	—	—
Other corrections, scantlings, ~~etc.~~ 5	87·10	
	115·00	—

+115·00

Summer Freeboard = 178·25

corrected with a summer loaded draught of 12′-2″

air. 28·8·56

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :— 14-10¼

Tropical Fresh Water Line above	Centre of Disc	Not assigned	Tropical Fresh Water Freeboard		Not assigned
Fresh Water Line	„ „	3″ ...	Fresh Water	„	... 14′-7¼″
Tropical Line	„ „	Not assigned	Tropical	„	Not assigned
Winter Line	below „	3″ ...	Winter	„	... 15″-1¼
Winter North Atlantic Line	„ „	Not assigned	Winter North Atlantic	„	Not assigned

Revised 4·9·1956

5m,6,55. T.