SKERN 47505

TIMBER.

Rpt. C.11 (Comp.)

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
MARGRETHE ~~MARGARETHE~~ ROBBERT		DANISH COPENHAGEN	1112	1958

Moulded Dimensions: Length 61785 m/m Breadth 10600 m/m Depth 4610 m/m.

Freeboard Length 62000 m/m. ℄ OF RUDDER STOCK

Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) 1868 m³. tons

Coefficient of fineness for use with Tables 0·725

Port of Survey DEEST

Date of Survey WHILE BUILDING

Surveyor's Signature .....

Particulars of Classification + 100 A.1. CONTEMPLATED.

DEPTH FOR FREEBOARD (D).

Moulded depth	4610
Stringer plate	10
Wood Sheathing on exposed deck $T\left(\frac{L-S}{L}\right)$ =	
Depth for Freeboard (D) =	4620

DEPTH CORRECTION.

(a) Where D is greater than Table depth (D—Table depth) R = +64 m/m.

(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) 10600 m/m

Standard Round of Beam = $\frac{B \times \text{~~fff~~}}{50}$ = 212 m/m

Ship's Round of Beam = 215 m/m.

Difference

Restricted to

Correction = $\frac{\text{Diff}^{e}}{4} \times \left(1-\frac{S_1}{L}\right)$ = NIL

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	52,400	52,400			51,329

Standard Height of Superstructure 1830 m/m

„ „ R.Q.D. 1124 m/m

Deduction for complete superstructure 670 m/m.

Percentage covered $\frac{S}{L}$ = } 84·52

„ „ $\frac{S_1}{L}$ = }

„ „ $\frac{E}{L}$ = 82·79

Percentage from Table, ~~Line A.~~ TIMBER. 89·24
(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 = ·8924 × 670 = 598 m/m

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
$\frac{1}{6}$L from A.P. ...		4				4	
$\frac{2}{6}$L „ ...		2				2	
Amidships ...	O	4	O	O	O	4	O
$\frac{2}{6}$L from F.P. ...		2				2	
$\frac{1}{6}$L „ ...		4				4	
F.P.		1				1	
Total ...			6933				

$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}}$ = practically standard

$\frac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}}$ = deficient

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

„ „ aft of „ = }

Correction = $\frac{\text{Difference between sums of products}}{18}\left(\cdot 75-\frac{S}{2L}\right)$ = +10 m/m

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~~ R.Q.DK. Deck =	5717
TIMBER	Summer freeboard =	1195
	Moulded draught (d) =	4522
	Keel allowance =	
	Extreme draught =	
	Deduction for Tropical freeboard and addition for $\frac{d}{48}$ = 94 — 95	
	Winter freeboard = $\frac{d}{36}$ inches = 126 — 125	

Addition for Winter North Atlantic Freeboard (if required) = 144 — 145

Deduction for Fresh Water.

Displacement in salt water at summer load water line

Δ = 2134

M. Tons per ~~inch~~ cm. immersion at summer load water line

T = 5·5

Deduction = $\frac{\Delta}{40\ T}$ inches = 97 — 95

TABULAR FREEBOARD ~~corrected for Flush Deck (if required)~~ 602

Correction for coefficient $\frac{1\cdot405}{1\cdot36}$ 622

	+	—	
Depth Correction	64	—	
Deduction for superstructures	—	598	
Sheer correction	10	—	
Round of Beam correction	—	—	
Correction for ~~Thickness of Deck amidships~~ HT. OF R.Q.DK. ...	1097	—	24·58
Other corrections, scantlings, etc.	—	—	
	1171	598	573

Summer Freeboard = 1195

TIMBER SUMMER FREEBOARD amidships from ~~Centre of Disc~~ to top of Deck Line, ~~Wood~~, Steel R.Q. Deck :—

TIMBER	Tropical Fresh Water Line above Centre of Disc ...	210 m/m	Tropical Fresh Water Freeboard ...	1195 m/m.	
"	Fresh Water Line " " ...	165 m/m	Fresh Water " ...	1055 m/m. LIMITED.	
"	Tropical Line " " ...	115 m/m	Tropical " ...	1100 m/m.	
"	Winter Line below " ...	55 m/m	Winter " ...	1150 m/m. LIMITED.	
"	Winter North Atlantic Line " " ...	145 m/m.	Winter North Atlantic " ...	1320 m/m.	
"	SUMMER LINE ABOVE " ...	70 m/m		1410 m/m.	

[10 APR 1958]

5m,6,55. T.

012678-012685-0165