

43179

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
AKAGISAN MARU. (MITSUBI N°563)	67659.	Tapan Tokyo	approx 6750	10.51.
Moulded Dimensions: Length <sup>200</sup> 142.450 ✓ Breadth 19.300 Depth <sup>✓</sup> 9.50 <sup>2ND DECK.</sup> 12.40 SHELTER DK.				
Moulded displacement at moulded draught=85 per cent. of moulded depth			15.118 K. tons	
Coefficient of fineness for use with Tables (ACTUAL 664 <sup>6</sup> ) .68 ✓				

Port of Survey Tamano. Japan

Date of Survey During Construction

Surveyor's Signature G. Young.

Particulars of Classification +100 A.I.  
CONTEMPLATED.

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth ... .. 9.5	(a) Where D is greater than Table depth	Moulded Breadth (B) 19.30 ✓
Stringer plate ... .. 0.12	(D—Table depth) R =	Standard Round of Beam = $\frac{B \times 12}{50} = 386$ ✓
Sheathing on exposed deck	8.33 (9.512 - 9.180) 30 ✓ = + 8.212 ✓	Ship's Round of Beam = <del>400</del> <del>SNAILER D.</del>
$T \left( \frac{L-S}{L} \right) =$	(b) Where D is less than Table depth (if allowed)	Difference <del>100</del> 200 ✓ DECK.
	(Table depth—D) R = ✓	Restricted to 286 ✓
Depth for Freeboard (D) = 9.512	If restricted by superstructures ✓	Correction = $\frac{\text{Diff}^*}{4} \times \left( 1 - \frac{S_1}{L} \right) = \frac{286}{4} \times 0.0054 = \text{NIL.}$

## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Roop enclosed ... ..	6.910 ✓	6.910 ✓	2.900	✓	6.910 ✓
" overhang ... ..	.610 ✓	.305 ✓	"	✓	.305 ✓
R.Q.D. enclosed ... ..					
" overha ... ..					
Bridge c ... ..					
" ... ..					
" ... ..	133.460	133.460 ✓	2.900	✓	133.460
F'cle enc ... ..					
" ove ... ..					
Trunk aft ... ..					
" forward ... ..	1.220 ✓	½ DIFF .763 ✓	2.900	✓	.763
Tonnage opening aft... ..	1.830 ✓				
" " forward ... ..	2.00 ✓				
Total ... ..	142.450 ✓	141.438			141.438

Standard Height of Superstructure ..... 22.90 m ✓

" " R.Q.D. .... ✓

Deduction for complete superstructure ..... 10.67 m/m ✓

Percentage covered  $\frac{S}{L} = 100 \checkmark$

" "  $\frac{S_1}{L} =$  } 99.46 ✓

" "  $\frac{E}{L} =$

Percentage from Table, Line A. & B ..... 99.33 ✓

(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 = 10.67 x .9933 ✓ = -10.60 m/m ✓

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product	Mean actual sheer aft = Mean standard sheer aft =	} EXCESS
A.P. ...	1439	1	1439	<sup>610</sup> 1516	2.126	1	2126	Mean actual sheer forward = Mean standard sheer forward =	
$\frac{1}{6}$ L from A.P. ...	639	4	2556	894	946	4	3784	Length of enclosed superstructure forward of amidships = L	} C.S.S. T/O
$\frac{2}{6}$ L " ...	160	2	320	190	234	2	468		
Amidships ...	✓	4	✓	0	✓	4	✓		} C.S.S. T/O
$\frac{2}{6}$ L from F.P. ...	320	2	640	285	400	2	800		
$\frac{1}{6}$ L " ...	1278	4	5112	1343	1618	4	6472		} C.S.S. T/O
F.P. ...	2877	1	2877	3.026	3636	1	3636		
Total ...		✓	12944	<sup>610</sup>	✓	✓	17286		} C.S.S. T/O

$$\text{Correction} = \frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) = \frac{4342}{18} \times .25 = -60 \text{ m/m}$$

If limited

If limited on account of midship superstructure.

If limited to maximum allowance of  $1\frac{1}{8}$  ins. per 100 ft.

Deduction for Tropical Freeboard.		Deduction for Fresh Water.		TABULAR FREEBOARD <small>corrected for Flush Deck (if required)</small>	
Addition for Winter and Winter North Atlantic Freeboard.		Displacement in salt water at summer load water line		Correction for coefficient	
Depth to Freeboard Deck	= 9512 <sup>m/m</sup> <sub>ft</sub>	△ = 15.550 KT. <sup>620</sup> <sub>cm</sub>	NIL		
Summer freeboard	= 1230	ons per immersion at summer load water line			
Moulded draught (d)	= 8282	T = 22.45 KT. ✓			
Deduction for Tropical freeboard and addition for		Deduction = $\frac{\Delta}{40T}$ inches			
Winter freeboard = $\frac{d}{46}$ inches	= 173 <sup>m/m</sup> <sub>inches</sub> ✓	= 174 <sup>m/m</sup> <sub>inches</sub> ✓			
Addition for Winter North Atlantic Freeboard (if required) =					

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

Tropical Fresh Water Line above Centre of Disc	..347..	w/n ✓	Tropical Fresh Water Freeboard	...883	" ✓
Fresh Water Line	..174..	" ✓	Fresh Water	..1056	" ✓
Tropical Line	..173..	" ✓	Tropical	..1057	" ✓
Winter Line below	..173..	" ✓	Winter	..1403	" ✓
Winter North Atlantic Line	...✓...	" ✓	Winter North Atlantic	...✓...	" ✓