

HEET II

# MODULUS OF SECTION.

RETAIN

NAME:—

Particulars of Vessel

S/S CADILLAC

Height of Assumed Axis above Keel

20.00

BELOW ASSUMED AXIS.								ABOVE ASSUMED AXIS.							
ITEM.	SCANTLING.	AREA.	h.	Ah.	Ah <sup>2</sup> .	d.	Ad <sup>2</sup> .	ITEM.	SCANTLING.	AREA.	h.	Ah.	Ah <sup>2</sup> .	d.	Ad <sup>2</sup> .
FLAT KEEL ...								TOP DECK STRINGER	8 x 3 1/2 x 40	5.3	19.5	103	233	—	
" " " "								" " " "	8 x 3 1/2 x 40	5.3	16.75	88	1485	—	
CENTRE GIRDER PLATE ...								" " ANGLE ...	9 x 3 1/2 x 144	6.3	11.37	71	814	—	
" " " " BOTTOM ANGLES								" " PLATING ...	9 1/2 x 3 1/2 x 44	4.6	8.8	58	512	—	
" " " " TOP ANGLES								2ND DECK STRINGER	10 x 3 1/2 x 50	7.6	3.62	27	99	—	
CENTRE STRAKE TANK TOP ...								" " ANGLE ...	10 1/2 x 3 1/2 x 50	8.0	1.00	8	8	—	
MARGIN PLATE ...								" " PLATING							
" " " " ANGLES								3RD DECK STRINGER							
BOTTOM PLATING ...								" " ANGLE ...							
EDGE PLATING ...								" " PLATING							
SIDE PLATING ...								4TH DECK STRINGER							
TANK TOP PLATING ...								" " ANGLE ...							
No. 1 SIDE STRINGER PLATE								" " PLATING							
" " " " ANGLES								SHEERSTRAKE							
No. 2 " " " " PLATE								" " " "							
" " " " " " ANGLES								STRAKE BELOW SHEERSTRAKE							
No. 3 " " " " PLATE								SHELL PLATING ...							
" " " " " " ANGLES								SIDE STRINGER PLATE							
SIDE KEELSON PLATE ...								" " " " ANGLES							
" " " " " " TOP ANGLES.										39.1		355	5268		
" " " " " " BOTTOM "										1064.3		16491	302456		
TOTALS BELOW ASSUMED AXIS.								TOTALS ABOVE ASSUMED AXIS.		1103.4		16846	307724		53816
								" " BELOW ASSUMED AXIS.		872.3		13579	238578		37666
								SUM OR DIFFERENCE		1975.7	1.455	3267	546302		91482
								Ad <sup>2</sup> /12					7623		7623

553925

## SUMMARY.

MOMENT OF INERTIA ABOUT ASSUMED AXIS ...	(1.)	553925
NEUTRAL AXIS ABOVE ASSUMED AXIS (x) ...	(2.)	1.655
TOTAL AREA x x <sup>2</sup> ...	(3.)	5630
CORRECTED INERTIA (ONE SIDE ONLY) = (1.) - (3.)	(4.)	548295
CORRECTED INERTIA (BOTH SIDES) ...		1096590
VALUE OF "Y" AT HEEL OF GUNWALE BAR ...		20.428
MODULUS OF SECTION AT GUNWALE ...		53600
VALUE OF "Y" AT KEEL ...		21.758
MODULUS OF SECTION AT KEEL ...		50400

Initials H.S.N

Date 1 - 12 - 31

Y (Gunwale) = 22.00

(Keel) 20.00

1.655 -  
20.345  
1083 +  
20.428

© 2021 1.655  
21.655  
103

Lloyd's Register Foundation

W370-0030

LC Standard

$$9 \times \frac{29.54}{30.16} \times 66.5 \times 19.8 = 35000$$

$$= 36900$$

50400  
36900

ie 36.5%

B.—The assumed axis is to be taken below lowest deck. The Top Deck is the uppermost strength deck, and other decks are to be numbered from that deck.



Ship's Name

Nationality and Port of Official Number  
Registry

Gross Tonnage

Date of Build

Name of Surveyor

SHEET 7

ITEM.
PLAT KEEL ...
" " ...
ENTRE GIRDER PLAT
" " BOTTOM
" " TOP
ENTRE STRAKE TAN
MARGIN PLATE
" ANGLES
BOTTOM PLATING
ILGE PLATING
IDE PLATING
ANK TOP PLATING
No. 1 SIDE STRING
" " "
No. 2 " "
" " "
No. 3 " "
" " "
SIDE KEELSON PL
" " To
" " Bo

TOTALS BELC ASSU

20 5

= . .

B.—The as  
deck.  
deck.  
from

RETAIN



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