

MOMENT OF INERTIA CALCULATION.

23/9/04.

Name of Vessel

Builder's Name and Yard No.

RULE DIMENSIONS

CLASS

Distance of Assumed Neutral Axis above Base

30.0

Depth of Girder

60.5

31.3

.8

61.3

ITEMS.	DIMENSIONS.	AREA.	C. G. FROM NEUTRAL AXIS.	MOMENT.	MOMENT OF INERTIA.	CORRECTION $\frac{1}{12} A H^3$.
On Pl. Sh.						
+ 2/20	372 x .1	37.2	31.35	1,166	36,560	
		1712.0		33,332	818,650	
		1749.2		34,498	855,110	
Below		1888		43,337	1,116,630	
5/16 Above		1458		28,750	712,600	4 1/2%
		3346		14,587	1,829,230	+ 1.6%
				4.36	63,580	
				35.66	1,765,650	= 1/2 I
					49510	= 1/2 I/3
					99020	= I/3
					99,020	
					95,860	
					3,160	= 2/20 on Pl. Sh. = 3.3%
					102,000	
					95,860	
					6,140	= 4/20 on Pl. Sh. = 6.4%
					101,140	
					95,860	
					5,280	= 3.35/20 on Pl. Sh.
					101,140	
					98,700	
					+ 2,440	= 1.5/20 on Pl. Sh. for Pl. Sh.
					102,346	
					101,140	
					- 1200	= .75/20 on Pl. Sh. for Pl. Sh.



Lloyd's Register Foundation