

MOMENT OF INERTIA CALCULATION. 22/8/04

Name of Vessel

Builder's Name and Yard No.

RULE DIMENSIONS

CLASS

Distance of Assumed Neutral Axis above Base

Depth of Girder

ITEMS.	DIMENSIONS.	AREA.	C. G. FROM NEUTRAL AXIS.	MOMENT.	MOMENT OF INERTIA.	CORRECTION $\frac{1}{12} A H^3$.
<i>Longitudinal Bulkhead.</i>						
34" Pl.	320 x .50	160	12.25 12.25	1940	8000 24,500	
Angles top		8	3.3	25	100	
" bottom		8	24.7	197	4800	
	40 x .50	20	1.75	35	100	
		196		2097	37,500	
				1450		
		43			33400	
		43				
Tank top		384		9580	239,000	
1/2 of do.		24		600	14,900	
1/2 of 5th of bulk.	270 x .05	13	22.5	292	6600	
		37		892	21,500	