Curves of Form Data Sheet

Vessel: **LCT. SURYA AGUNG 2**

id	Symbol	Description	Qty	Units	Comments
1	γ	Weight Density of Water	1.0250	m^3/Tonne	1/1.025 = 0.97561 for Salt Water and 1.00 for Fresh Water
2	C_B	Block Coefficient	1.000	none	For box LCT this is equal to one
3	CWP	Waterplane Coefficient	1.000	none	For box LCT this is equal to one
4	L	Length Used for COF Calcs	49.000	m	Length on Deck Less Rakes
5	W	Total Weight of All Components, Barge + Cargo + Crane + Hook Load	480.70	Tonne	Metric Tons, obtained from summation on the "Trim, List & Stability Sheet"
6	T_{LCF}	Draft at the LCF	0.958	m	Where $T_{LCF} = W \gamma / (C_B L B)$
7	I_L	Longitudinal Moment of Waterplane, estimated value	102,942.88	m^4	Where $I_L = CWP^2 B L^3 /12$
8	I_T	Transverse Moment of Waterplane, estimated value	4,727	m^4	Where $I_T = CWP^2 L B^3 /12$
9	V	Volume Displaced	492.72	m^3	Where $V = \gamma W$
10	BM_L	Longitudinal Metacentric Radius	208.929	m	Where $BM_L = I_L / V$
11	BM_L	Transverse Metacentric Radius	9.594	m	Where $BM_T = I_T / V$
12	KB	Vertical Center of Buoyancy	0.479	m	Where $KB = T_{LCF} / 2$ accurate for zero trim for all other trims this value is conservative
13	KM_L	Height to LCT's Longitudinal Metacenter from Baseline	209.408	m	Where $KM_L = BM_L + KB$
14	KM_T	Height to LCT's Transverse Metacenter from Baseline	10.073	m	Where $KM_T = BM_T + KB$
15	LCB	Longitudinal Center of Buoyancy, distance from amidships	25.500	m	This value applies since a box LCT is symmetrical about amidships
16	LCF	Longitudinal Center of Floatation, distance from amidships	27.000	m	This value applies since a box LCT is symmetrical about the centerline