**Hydrostatics - boya 1,2m diametro**

Stability 20.00.02.31, build: 31

Model file: C:\Users\Sergio Vargas Zárate\Dropbox\Tesis\Programa\codigo simplificado\boya 1,2m diametro (Medium precision, 55 sections, Trimming off, Skin thickness not applied). Long. datum: MS; Vert. datum: Baseline. Analysis tolerance - ideal(worst case): Disp.%: 0,01000(0,100); Trim%(LCG-TCG): 0,01000(0,100); Heel%(LCG-TCG): 0,01000(0,100)

**Damage Case - Intact**

Fixed Trim = 0 m (+ve by stern)

Specific gravity = 1,025; (Density = 1,025 tonne/m^3)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Draft Amidships m** | **0,000** | **0,120** | **0,240** | **0,360** | **0,480** | **0,600** | **0,720** | **0,840** | **0,960** | **1,080** | **1,200** |
| Displacement t | 0,0000 | 0,0257 | 0,0958 | 0,1991 | 0,3246 | 0,4611 | 0,5976 | 0,7231 | 0,8265 | 0,8965 | 0,9222 |
| Heel deg | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| Draft at FP m | 0,000 | 0,120 | 0,240 | 0,360 | 0,480 | 0,600 | 0,720 | 0,840 | 0,960 | 1,080 | 1,200 |
| Draft at AP m | 0,000 | 0,120 | 0,240 | 0,360 | 0,480 | 0,600 | 0,720 | 0,840 | 0,960 | 1,080 | 1,200 |
| Draft at LCF m | 0,000 | 0,120 | 0,240 | 0,360 | 0,480 | 0,600 | 0,720 | 0,840 | 0,960 | 1,080 | 1,200 |
| Trim (+ve by stern) m | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 |
| WL Length m | 0,000 | 0,720 | 0,958 | 1,098 | 1,174 | 1,200 | 1,174 | 1,098 | 0,958 | 0,720 | 0,000 |
| Beam max extents on WL m | 0,000 | 0,720 | 0,958 | 1,098 | 1,174 | 1,200 | 1,174 | 1,098 | 0,958 | 0,720 | 0,000 |
| Wetted Area m^2 | 0,000 | 0,429 | 0,814 | 1,161 | 1,477 | 1,771 | 2,065 | 2,380 | 2,731 | 3,112 | 3,542 |
| Waterpl. Area m^2 | 0,000 | 0,406 | 0,720 | 0,944 | 1,079 | 1,128 | 1,079 | 0,944 | 0,720 | 0,406 | 0,000 |
| Prismatic coeff. (Cp) | 0,000 | 0,594 | 0,607 | 0,621 | 0,640 | 0,664 | 0,702 | 0,761 | 0,869 | 1,135 | 292103,163 |
| Block coeff. (Cb) | 0,000 | 0,403 | 0,424 | 0,448 | 0,479 | 0,521 | 0,588 | 0,697 | 0,915 | 1,562 | 0,000 |
| Max Sect. area coeff. (Cm) |  | 0,678 | 0,698 | 0,720 | 0,748 | 0,784 | 0,837 | 0,916 | 1,053 | 1,376 |  |
| Waterpl. area coeff. (Cwp) | 0,000 | 0,783 | 0,784 | 0,783 | 0,784 | 0,783 | 0,784 | 0,783 | 0,784 | 0,783 | 0,000 |
| LCB from zero pt. (+ve fwd) m | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 |
| LCF from zero pt. (+ve fwd) m | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 |
| KB m | 0,600 | 0,079 | 0,157 | 0,233 | 0,306 | 0,375 | 0,440 | 0,499 | 0,549 | 0,585 | 0,600 |
| KG m | 0,600 | 0,600 | 0,600 | 0,600 | 0,600 | 0,600 | 0,600 | 0,600 | 0,600 | 0,600 | 0,600 |
| BMt m | 0,000 | 0,523 | 0,440 | 0,365 | 0,293 | 0,225 | 0,159 | 0,101 | 0,051 | 0,015 | 0,000 |
| BML m | 0,000 | 0,523 | 0,443 | 0,365 | 0,293 | 0,225 | 0,159 | 0,101 | 0,051 | 0,015 | 0,000 |
| GMt m | 0,000 | 0,003 | -0,003 | -0,002 | -0,002 | 0,000 | -0,001 | -0,001 | 0,000 | 0,000 | 0,000 |
| GML m | 0,000 | 0,003 | 0,000 | -0,002 | -0,001 | 0,000 | -0,001 | -0,001 | 0,000 | 0,000 | 0,000 |
| KMt m | 0,600 | 0,603 | 0,597 | 0,598 | 0,598 | 0,600 | 0,599 | 0,599 | 0,600 | 0,600 | 0,600 |
| KML m | 0,600 | 0,603 | 0,600 | 0,598 | 0,599 | 0,600 | 0,599 | 0,599 | 0,600 | 0,600 | 0,600 |
| Immersion (TPc) tonne/cm | 0,000 | 0,004 | 0,007 | 0,010 | 0,011 | 0,012 | 0,011 | 0,010 | 0,007 | 0,004 | 0,000 |
| MTc tonne.m | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 |
| RM at 1deg = GMt.Disp.sin(1) tonne.m | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 |
| Max deck inclination deg | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 |
| Trim angle (+ve by stern) deg | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 |