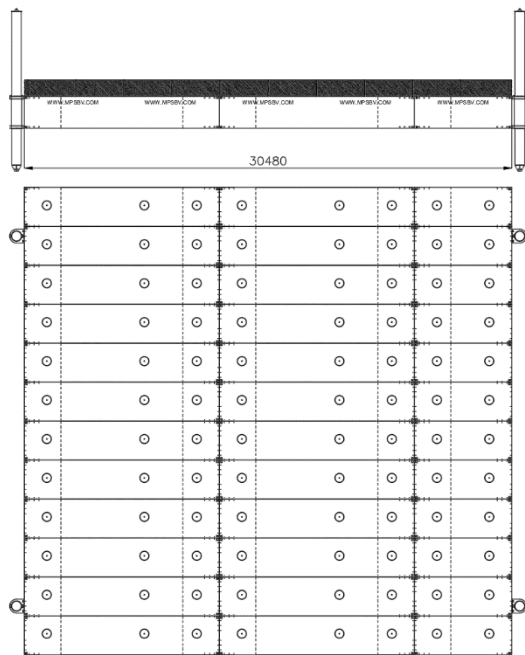


10-6-2024

”MPS PONTOON”
30.48x29.26x1.98m”



Specification : **Stability with passengers on board** **Project MPS 23-188**

Calculated for : Modular Pontoon system BV
Veerdam 1
5308 JH AALST GLD
The Netherlands

Project		23_188 pontoon 31.69x24.38x1.98 m
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March 2024

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1. ABBREVIATIONS AND UNITS

Hydrostatic curves

Draft from base	- (m)
Waterplane area	- (m^2)
Centre of floatation	- Centre of floatation of the waterline (m)
Mom. of inertia long.	- Moment of inertia longitudinal (m^4)
Mom. of inertia tran.	- Moment of inertia transverse (m^4)
Ton/cm immersion	- (Ton/cm)
Volume	- Volume displacement (m^3)
Volume & appendages	- Volume displacement with appendages (m^3)
Displacement	- Weight displacement (Ton)
Vert. center buoyancy	- Vertical center of buoyancy (m)
Long. center buoyancy	- Longitudinal center of buoyancy (m)
KM transverse	- Vertical distance between the transverse metacenter and the baseline (m)
KM longitudinal	- Vertical distance between the longitudinal metacenter and the baseline (m)
Mom change trim 1 cm	- Moment to change trim 1 cm (Tonm)
Wetted surface	- (m^2)

Crosscurves

Volume	- Volume displacement (m^3)
Displ.	- Weight displacement (Ton)
Draft	- The distance between the intersection centerline-heeling waterline and the baseline (m)
LCB	- Longitudinal center of buoyancy (m)
TCB	- Transverse center of buoyancy (m)
VCB	- Vertical center of buoyancy (m)
KN sin phi	- Righting lever when KG is 0 (m)

The App is situated at the aft end of the vessel

The Fpp is situated at the fore end of the vessel (30.48 from App)

The mean draft is measured at 15.24 m. forward of APP.

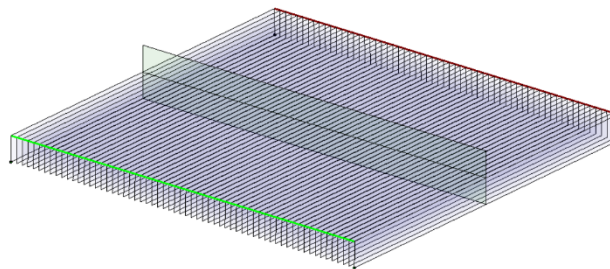
All vertical distances are related to the baseline.

All longitudinal distances are related to APP (aft end of vessel).

2. GENERAL DATA

GENERAL PARTICULARS

Name	MPS 30.48*29.26*1.98 m
Length	30.48 m
Breadth moulded	29.26 m
Depth	1.98 m



INPUT DATA HULLFORM

The hull form is according the drawings of MPS.
The vessel is symmetric.

COMPARTMENTS

The compartments are according the drawings MPS.
All not used compartments in the MPS pontoons are empty and dry in the calculations.

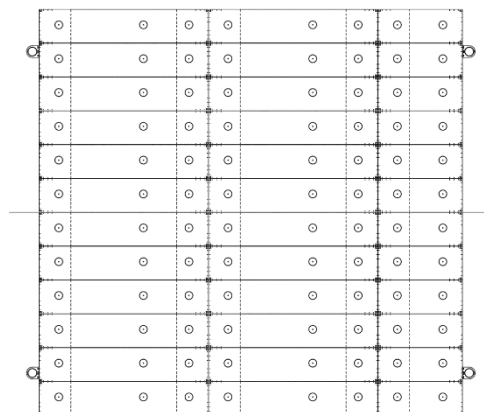
All not used compartments should be empty and dry. Rests of water have a negative effect on the stability.

OPENINGS

No non-watertight openings have been taken into account for the stability calculations.
All openings are to be closed watertight.
Margin lines points at the baseline are used for the stability criteria.

Light Ship Weight

- Light ship weight, according calculations
VCG is taken at deck level, 1.98 m above base line.



In the table on the next page, the weights of all the MPS units are added to calculate the weight and centre of gravity of the pontoon.

30.48x29.26x1.98

	container position	container nr	weight [ton]	vcg [m]	lcg [m]	tcg [m]	vmom [tonm]	lmom [tonm]	tmom [tonm]
row 1,6	SB side	MPS 465	11.700	1.981	6.096	13.411	23.180	71.323	156.911
row 1,5	SB side	MPS 465	11.700	1.981	6.096	10.973	23.180	71.323	128.382
row 1,4	SB side	MPS 465	11.700	1.981	6.096	8.534	23.180	71.323	99.852
row 1,3	SB side	MPS 465	11.700	1.981	6.096	6.096	23.180	71.323	71.323
row 1,2	SB side	MPS 465	11.700	1.981	6.096	3.658	23.180	71.323	42.794
row 1,1	SB side	MPS 465	11.700	1.981	6.096	1.219	23.180	71.323	14.265
row 1,-1	PS side	MPS 465	11.700	1.981	6.096	-1.219	23.180	71.323	-14.265
row 1,-2	PS side	MPS 465	11.700	1.981	6.096	-3.658	23.180	71.323	-42.794
row 1,-3	PS side	MPS 465	11.700	1.981	6.096	-6.096	23.180	71.323	-71.323
row 1,-4	PS side	MPS 465	11.700	1.981	6.096	-8.534	23.180	71.323	-99.852
row 1,-5	PS side	MPS 465	11.700	1.981	6.096	-10.973	23.180	71.323	-128.382
row 1,-6	PS side	MPS 465	11.700	1.981	6.096	-13.411	23.180	71.323	-156.911
row 2,6	SB side	MPS 465	11.700	1.981	18.288	13.411	23.180	213.970	156.911
row 2,5	SB side	MPS 465	11.700	1.981	18.288	10.973	23.180	213.970	128.382
row 2,4	SB side	MPS 465	11.700	1.981	18.288	8.534	23.180	213.970	99.852
row 2,3	SB side	MPS 465	11.700	1.981	18.288	6.096	23.180	213.970	71.323
row 2,2	SB side	MPS 465	11.700	1.981	18.288	3.658	23.180	213.970	42.794
row 2,1	SB side	MPS 465	11.700	1.981	18.288	1.219	23.180	213.970	14.265
row 2,-1	PS side	MPS 465	11.700	1.981	18.288	-1.219	23.180	213.970	-14.265
row 2,-2	PS side	MPS 465	11.700	1.981	18.288	-3.658	23.180	213.970	-42.794
row 2,-3	PS side	MPS 465	11.700	1.981	18.288	-6.096	23.180	213.970	-71.323
row 2,-4	PS side	MPS 465	11.700	1.981	18.288	-8.534	23.180	213.970	-99.852
row 2,-5	PS side	MPS 465	11.700	1.981	18.288	-10.973	23.180	213.970	-128.382
row 2,-6	PS side	MPS 465	11.700	1.981	18.288	-13.411	23.180	213.970	-156.911
row 3,6	SB side	MPS 265	6.700	1.981	27.432	13.411	13.274	183.794	89.855
row 3,5	SB side	MPS 265	6.700	1.981	27.432	10.973	13.274	183.794	73.518
row 3,4	SB side	MPS 265	6.700	1.981	27.432	8.534	13.274	183.794	57.180
row 3,3	SB side	MPS 265	6.700	1.981	27.432	6.096	13.274	183.794	40.843
row 3,2	SB side	MPS 265	6.700	1.981	27.432	3.658	13.274	183.794	24.506
row 3,1	SB side	MPS 265	6.700	1.981	27.432	1.219	13.274	183.794	8.169
row 3,-1	PS side	MPS 265	6.700	1.981	27.432	-1.219	13.274	183.794	-8.169
row 3,-2	PS side	MPS 265	6.700	1.981	27.432	-3.658	13.274	183.794	-24.506
row 3,-3	PS side	MPS 265	6.700	1.981	27.432	-6.096	13.274	183.794	-40.843
row 3,-4	PS side	MPS 265	6.700	1.981	27.432	-8.534	13.274	183.794	-57.180
row 3,-5	PS side	MPS 265	6.700	1.981	27.432	-10.973	13.274	183.794	-73.518
row 3,-6	PS side	MPS 265	6.700	1.981	27.432	-13.411	13.274	183.794	-89.855
Total configuration			361.200	1.981	15.584	0.000	715.609	5629.046	0.000

MISCELLANEOUS ITEMS ON DECK**Spuds**

The vessel is equipped with spuds.

The spud are grounded and have no influence on the pontoon.

The spud carriers are mounted to the pontoon and are taken into account in the calculations.

Description	Weight ton	VCG m	LCG m	TCG m
Subtotals for group : Spuds				
Spud carrier 1	1.330	1.000	-0.550	11.581
Spud carrier 2	1.330	1.000	-0.550	-11.581
Spud carrier 3	1.330	1.000	30.970	11.581
Spud carrier 4	1.330	1.000	30.970	-11.581
SUBTOTAL	5.320	1.000	15.210	0.000
Subtotals for group : Deck equipment				
railing & misc	1.000	2.500	15.240	0.000
SUBTOTAL	1.000	2.500	15.240	0.000

No water ballast has been calculated in the pontoon.

The external moments are :

- ## PASSENGERS ON BOARD

Passengers can walk on board via the other pontoons.

The maximum number of passengers are calculated.

The number of persons is 2.5 person per m^2 . The weight of a person is 75 kg.

For this pontoon the maximum number of persons is 2229.7 person.

The passenger moment has been calculated with 3.75 person per m².

The 2229.7 passengers will move to SB or to PS. Therefore the passenger moments are calculated to both sides.

The stability for each loading conditions is calculated to SB and to PS.

The pontoon has 3 rows of MPS units. The number of passengers and the moments are calculated per rectangle block/rows. This pontoon is a symmetric rectangular pontoon; so only 1 block has been calculated.

Also the stability calculations are only be performed to SB. The PS calculations have the same result.

The calculations of passenger moments are presented in the table below.

	Length	Breadth	Area	max nr. of	weight of	lever pass	lever pass	mom pass	mom pass
position	[m]	[m]	[m]	passengers	passengers	3.75 p/m2	3.75 p/m2	3.75 p/m2	3.75 p/m2
					[ton]	PS [m]	SB [m]	PS [tonm]	SB [tonm]
deck	30.48	29.26	891.87	2229.7	167.23	4.877	4.877	815.525	815.525
Total passengers				2229.7	167.23	4.877	4.877	815.525	815.525

Position of passengers

[illegible]

STABILITY CRITERIA

Criteria are according regulation NR612 DT R01 MARCH 2023

Intact stability

CRITERIA :

- the residual safety clearance is not less than:
 - 0.30 m for weathertight apertures
 - 0.40 m for unprotected openings
- the residual freeboard value is at least 0.30 m
- The angle of list is not to exceed 10° and the base of the hull shall not emerge.

Calculated in stability software

Minimum metacentric height G'M

Criterion

0.150

meter

Maximum statical angle of inclination due to wind- and passenger moment

10.000

degrees SB

Distance between waterline and deck due to wind- and passenger moment

0.300

meter

Base of hull submerged (distance > 0)

0.000

meter

DAMAGE STABILITY

EXTEND OF DAMAGE

SIDE DAMAGE		
Longitudinal	$0.1 \cdot Lwl$	3.048
Breadth	$B/5$	5.852
Vertical	top/bottom	

BOTTOM DAMAGE		
Longitudinal	$0.1 \cdot Lwl$	3.048
Breadth	$B/5$	5.852
Vertical	0.59 m	

CRITERIA :

- Under the combined action of heeling moments, the residual freeboard and the residual safety clearance are not less than 0.10 m.

In each calculated loading condition the values criteria are calculated and presented.

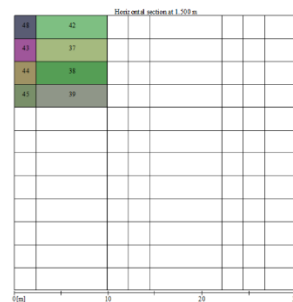
Calculated damage cases

The following damage cases have been calculated :

Damage case : AFT PS

Damaged and flooded compartments

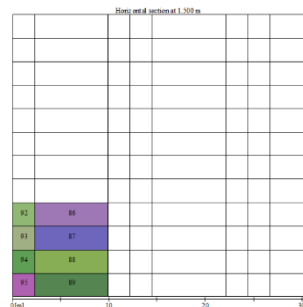
New compartment (13)|
 New compartment (13)|A|
 New compartment (13)|A|A|
 New compartment (14)
 New compartment (15)|
 New compartment (15)|A|
 New compartment (15)|A|A|
 New compartment (16)



Damage case : AFT SB

Damaged and flooded compartments

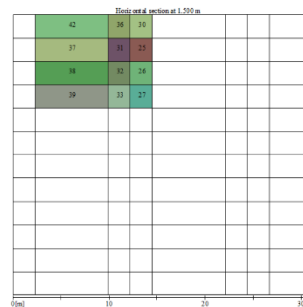
New compartment (61)|A|
 New compartment (61)|A|A|
 New compartment (61)|A|A|A|
 New compartment (61)|A|A|A|A|
 New compartment (63)|A|
 New compartment (63)|A|A|
 New compartment (63)|A|A|A|
 New compartment (63)|A|A|A|A|



Damage case : MID PS

Damaged and flooded compartments

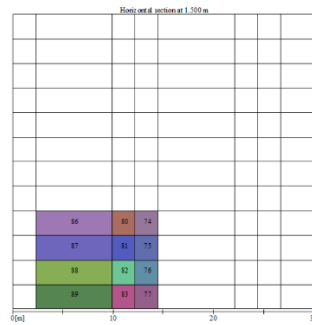
New compartment (9)|
 New compartment (9)|A|
 New compartment (9)|A|A|
 New compartment (10)
 New compartment (11)|
 New compartment (11)|A|
 New compartment (11)|A|A|
 New compartment (12)
 New compartment (13)|
 New compartment (13)|A|
 New compartment (13)|A|A|
 New compartment (14)



Damage case : MID SB

Damaged and flooded compartments

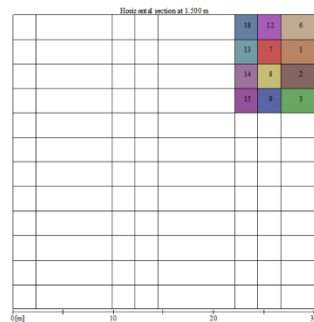
New compartment (57)|A|
 New compartment (57)|A|A|
 New compartment (57)|A|A|A|
 New compartment (57)|A|A|A|A|
 New compartment (59)|A|
 New compartment (59)|A|A|
 New compartment (59)|A|A|A|
 New compartment (59)|A|A|A|A|
 New compartment (61)|A|
 New compartment (61)|A|A|
 New compartment (61)|A|A|A|
 New compartment (61)|A|A|A|A|



Damage case : FORE PS

Damaged and flooded compartments

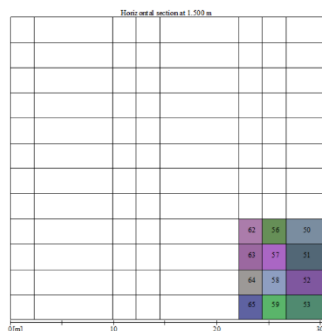
New compartment (1)|
 New compartment (1)|A|
 New compartment (1)|A|A|
 New compartment (2)|
 New compartment (3)|
 New compartment (3)|A|
 New compartment (3)|A|A|
 New compartment (4)|
 New compartment (5)|
 New compartment (5)|A|
 New compartment (5)|A|A|
 New compartment (6)|



Damage case : FORE SB

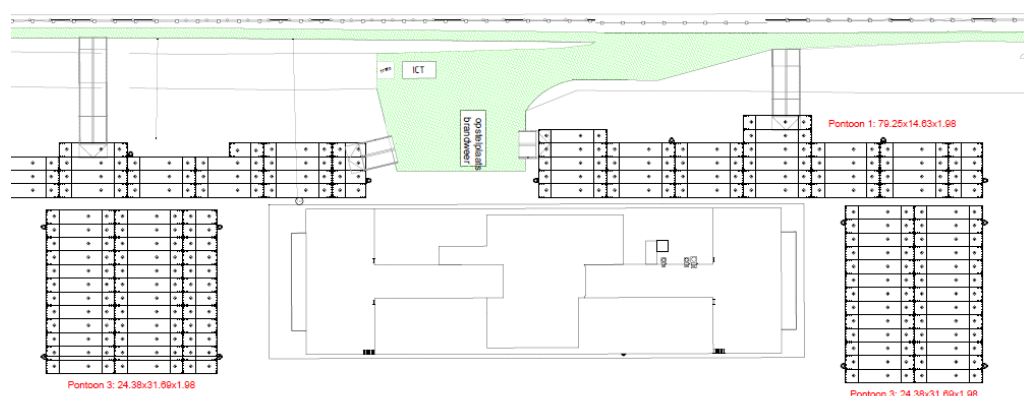
Damaged and flooded compartments

New compartment (49)|A|
 New compartment (49)|A|A|
 New compartment (49)|A|A|A|
 New compartment (49)|A|A|A|A|
 New compartment (51)|A|
 New compartment (51)|A|A|
 New compartment (51)|A|A|A|
 New compartment (51)|A|A|A|A|
 New compartment (53)|A|
 New compartment (53)|A|A|
 New compartment (53)|A|A|A|
 New compartment (53)|A|A|A|A|



CONCLUSION AND RESULTS OF CALCULATIONS

The MPS pontoon 30.48*29.26*1.98 m is equipped spud carriers and railing.



Passengers will be able to enter the pontoon via the other pontoons.

The maximum number of passengers on the pontoon is 2229.7 (based on 2.5 passenger/m²)

The passenger moments is due to crowded passengers to the side (based on 3.75 passenger/m²)

The loading conditions are tested to the NR612 rules for harbour equipment.

Intact and damage stability calculations have been performed.

INTACT STABILITY

A summary of the calculated loading conditions is presented in the following table :

==INTACT STABILITY==							
condition	draft aft [m] fore [m]		trim [m]	Angle of inclination [degr]	Minimum freeboard [m]	Minimum draft [m]	Stability
Light ship	0.38	0.43	0.06	0.00	1.57	0.38	OK
Pontoon with equipment	0.39	0.44	0.06	0.00	1.54	0.39	OK
Pontoon with equipment & 2230 passengers (max passengers)	0.57	0.63	0.06	0.00	1.35	0.57	OK
Pontoon with equipment & 2230 passengers to SB (or PS)	0.57	0.63	0.06	0.75 SB	1.16	0.38	OK

The vessel complies the intact stability criteria in all the calculated conditions. The minimum draft is 0.38 m (>0.0m) and the freeboard is 1.16 m (>0.3m)

DAMAGE STABILITY

The damage stability is calculated for the conditions with the passengers to the side.

A summary of the calculated damage cases is presented in the following table :

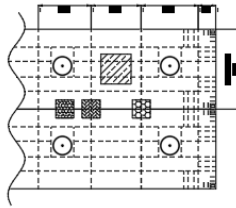
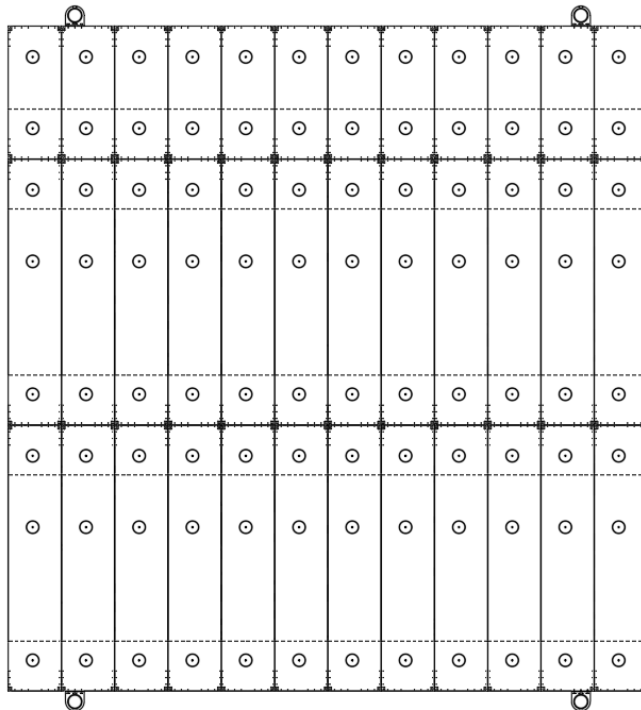
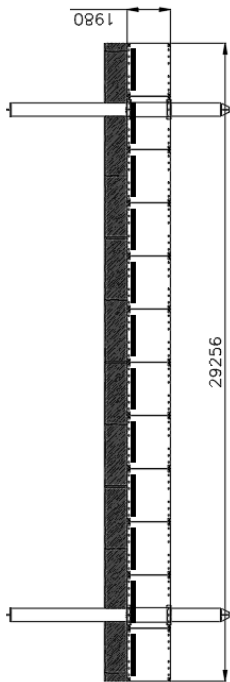
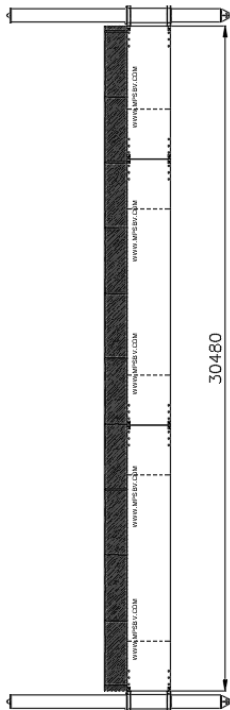
Per loading condition the worst damage case is given.

A summary of the all damage cases of all loading conditions can be found on page 122.

==DAMAGE STABILITY==		draft		trim	Angle of	Minimum	Stability
damage case		aft [m]	fore [m]	[m]	inclination [degr]	freeboard [m]	
==Pontoon with equipment & 2230 passengers (max passengers)							
Worst damage case :	Damage case: MID PS	0.86	0.58	-0.28	1.03 PS	0.86	OK
== Pontoon with equipment & 2230 passengers to SB (or PS)							
Worst damage case :	Damage case: MID SB	0.92	0.57	-0.35	1.94 SB	0.56	OK

The minimum freeboard in the calculations is 0.56 m (>0.1m).

REV.	DATE:	DRAWN:	CHECKED:	APPROVED:	REMARK:



Assembly consists:

MPS container type 40'	: 24	pcs
MPS container type 40'	: 0	pcs
MPS container type 20'	: 12	pcs
MPS container type 20 Sp	: 0	pcs

MPS MODULAR PONTOON SYSTEMS BV
 Veendam 1, 5308 JH, Aalst (Gg) Holland
 Tel: +31(0)418-679096, Email: info@mps bv.com

NAME: General Arrangement Pontoon 4: 30.48x29.26x1.98		Project No: 1	
SCALE: 1:50	DATE: 27-10-2023	DRAWN BY: 23_188-04	DATE: 23_188-04
CHECKED BY:	ORDER NO: 23_188	DRAWN BY: SE	
DRAWN BY: SE			
COPYRIGHT RESERVED ACC. LAW			

3. HYDROSTATIC PARTICULARS

HYDROSTATIC PARTICULARS

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:34:45

Trim = 0.000 m

Draft from base m	Displ. [density 1.0000] ton	Immer- sion ton/cm	Moment change trim tonm/cm	LCB from APP m	TCB from CL m	LCF from APP m	KM transv. m
0.200	178.36	8.92	22.65	15.240	0.000	15.240	356.683
0.220	196.19	8.92	22.65	15.240	0.000	15.240	324.262
0.240	214.02	8.92	22.65	15.240	0.000	15.240	297.244
0.260	231.86	8.92	22.65	15.240	0.000	15.240	274.386
0.280	249.69	8.92	22.65	15.240	0.000	15.240	254.796
0.300	267.52	8.92	22.65	15.240	0.000	15.240	237.816
0.320	285.36	8.92	22.65	15.240	0.000	15.240	222.961
0.340	303.19	8.92	22.65	15.240	0.000	15.239	209.857
0.360	321.02	8.92	22.65	15.240	0.000	15.240	198.209
0.380	338.85	8.92	22.65	15.240	0.000	15.239	187.786
0.400	356.68	8.91	22.65	15.240	0.000	15.241	178.408
0.420	374.51	8.92	22.64	15.240	0.000	15.240	169.924
0.440	392.34	8.92	22.64	15.240	0.000	15.240	162.212
0.460	410.17	8.91	22.64	15.240	0.000	15.240	155.171
0.480	428.00	8.91	22.64	15.240	0.000	15.240	148.719
0.500	445.83	8.91	22.64	15.240	0.000	15.241	142.784
0.520	463.66	8.91	22.64	15.240	0.000	15.239	137.305
0.540	481.49	8.91	22.64	15.240	0.000	15.241	132.232
0.560	499.32	8.91	22.64	15.240	0.000	15.241	127.525
0.580	517.14	8.91	22.64	15.240	0.000	15.239	123.141
0.600	534.97	8.91	22.64	15.240	0.000	15.240	119.050
0.620	552.80	8.91	22.64	15.240	0.000	15.241	115.223
0.640	570.63	8.91	22.64	15.240	0.000	15.240	111.638
0.660	588.45	8.91	22.64	15.240	0.000	15.240	108.270
0.680	606.28	8.91	22.64	15.240	0.000	15.240	105.100
0.700	624.10	8.91	22.64	15.240	0.000	15.240	102.112
0.720	641.93	8.91	22.64	15.240	0.000	15.239	99.291
0.740	659.76	8.91	22.64	15.240	0.000	15.239	96.622
0.760	677.58	8.91	22.64	15.240	0.000	15.241	94.095
0.780	695.41	8.91	22.64	15.240	0.000	15.240	91.697
0.800	713.23	8.91	22.64	15.240	0.000	15.240	89.420

HYDROSTATIC PARTICULARS
pontoon 30.48x29.26x1.98m

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Trim = 0.000 m

Draft from base m	Displ. [density 1.0000] ton	Immer- sion ton/cm	Moment change trim tonm/cm	LCB from APP m	TCB from CL m	LCF from APP m	KM transv. m
0.820	731.05	8.91	22.64	15.240	0.000	15.240	87.256
0.840	748.88	8.91	22.64	15.240	0.000	15.241	85.193
0.860	766.70	8.91	22.64	15.240	0.000	15.240	83.229
0.880	784.52	8.91	22.63	15.240	0.000	15.241	81.353
0.900	802.35	8.91	22.63	15.240	0.000	15.240	79.562
0.920	820.17	8.91	22.63	15.240	0.000	15.240	77.848
0.940	837.99	8.91	22.63	15.240	0.000	15.242	76.208
0.960	855.81	8.91	22.63	15.240	0.000	15.240	74.636
0.980	873.63	8.91	22.63	15.240	0.000	15.240	73.129
1.000	891.45	8.91	22.63	15.240	0.000	15.240	71.684
1.020	909.27	8.91	22.63	15.240	0.000	15.240	70.295
1.040	927.09	8.91	22.63	15.240	0.000	15.239	68.959
1.060	944.91	8.91	22.63	15.240	0.000	15.238	67.675
1.080	962.73	8.91	22.63	15.240	0.000	15.242	66.438
1.100	980.55	8.91	22.63	15.240	0.000	15.242	65.247
1.120	998.37	8.91	22.63	15.240	0.000	15.242	64.100
1.140	1016.19	8.91	22.63	15.240	0.000	15.241	62.992
1.160	1034.01	8.91	22.63	15.240	0.000	15.241	61.921
1.180	1051.83	8.91	22.63	15.240	0.000	15.241	60.889
1.200	1069.65	8.91	22.63	15.240	0.000	15.241	59.892
1.220	1087.46	8.91	22.63	15.240	0.000	15.238	58.927
1.240	1105.28	8.91	22.63	15.240	0.000	15.241	57.993
1.260	1123.09	8.91	22.63	15.240	0.000	15.241	57.091
1.280	1140.91	8.91	22.63	15.240	0.000	15.240	56.214
1.300	1158.73	8.91	22.63	15.240	0.000	15.241	55.368
1.320	1176.54	8.91	22.63	15.240	0.000	15.240	54.546
1.340	1194.36	8.91	22.62	15.240	0.000	15.240	53.749
1.360	1212.17	8.91	22.62	15.240	0.000	15.239	52.978
1.380	1229.99	8.91	22.62	15.240	0.000	15.240	52.227
1.400	1247.80	8.91	22.62	15.240	0.000	15.240	51.498
1.420	1265.62	8.91	22.62	15.240	0.000	15.242	50.789

HYDROSTATIC PARTICULARS
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:34:45

Trim = 0.000 m

Draft from base m	Displ. [density 1.0000] ton	Immer- sion ton/cm	Moment change trim tonm/cm	LCB from APP m	TCB from CL m	LCF from APP m	KM transv. m
1.440	1283.43	8.91	22.62	15.240	0.000	15.239	50.102
1.460	1301.24	8.91	22.62	15.240	0.000	15.240	49.434
1.480	1319.06	8.91	22.62	15.240	0.000	15.239	48.783
1.500	1336.87	8.91	22.62	15.240	0.000	15.239	48.150
1.520	1354.68	8.91	22.62	15.240	0.000	15.240	47.534
1.540	1372.49	8.91	22.62	15.240	0.000	15.239	46.935
1.560	1390.30	8.90	22.62	15.240	0.000	15.242	46.350
1.580	1408.12	8.91	22.62	15.240	0.000	15.238	45.781
1.600	1425.93	8.90	22.62	15.240	0.000	15.242	45.227
1.620	1443.74	8.91	22.62	15.240	0.000	15.238	44.686
1.640	1461.55	8.91	22.62	15.240	0.000	15.240	44.160
1.660	1479.36	8.90	22.62	15.240	0.000	15.243	43.646
1.680	1497.17	8.91	22.62	15.240	0.000	15.239	43.143
1.700	1514.98	8.91	22.62	15.240	0.000	15.239	42.654
1.720	1532.79	8.90	22.62	15.240	0.000	15.242	42.177
1.740	1550.59	8.90	22.62	15.240	0.000	15.243	41.709
1.760	1568.40	8.90	22.62	15.240	0.000	15.243	41.254
1.780	1586.21	8.90	22.62	15.240	0.000	15.238	40.807
1.800	1604.02	8.90	22.61	15.240	0.000	15.238	40.372

4. LOADING CONDITIONS

TRIM AND STABILITY CALCULATION pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:11

Loading condition : Light ship

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	361.200	1.981	15.584	0.000	-
New compartment (1)	0.0	1.0000	0.000	0.000	28.575	-10.971	0.000
New compartment (1) A	0.0	1.0000	0.000	0.000	28.575	-8.533	0.000
New compartment (1) A A	0.0	1.0000	0.000	0.000	28.575	-6.095	0.000
New compartment (1) A A A	0.0	1.0000	0.000	0.000	28.575	-3.657	0.000
New compartment (1) A A A A	0.0	1.0000	0.000	0.000	28.575	-1.219	0.000
New compartment (2)	0.0	1.0000	0.000	0.000	28.575	-13.409	0.000
New compartment (3)	0.0	1.0000	0.000	0.000	25.527	-10.971	0.000
New compartment (3) A	0.0	1.0000	0.000	0.000	25.527	-8.533	0.000
New compartment (3) A A	0.0	1.0000	0.000	0.000	25.527	-6.095	0.000
New compartment (3) A A A	0.0	1.0000	0.000	0.000	25.527	-3.657	0.000
New compartment (3) A A A A	0.0	1.0000	0.000	0.000	25.527	-1.219	0.000
New compartment (4)	0.0	1.0000	0.000	0.000	25.527	-13.409	0.000
New compartment (5)	0.0	1.0000	0.000	0.000	23.241	-10.971	0.000
New compartment (5) A	0.0	1.0000	0.000	0.000	23.241	-8.533	0.000
New compartment (5) A A	0.0	1.0000	0.000	0.000	23.241	-6.095	0.000
New compartment (5) A A A	0.0	1.0000	0.000	0.000	23.241	-3.657	0.000
New compartment (5) A A A A	0.0	1.0000	0.000	0.000	23.241	-1.219	0.000
New compartment (6)	0.0	1.0000	0.000	0.000	23.241	-13.409	0.000
New compartment (7)	0.0	1.0000	0.000	0.000	18.288	-10.971	0.000
New compartment (7) A	0.0	1.0000	0.000	0.000	18.288	-8.533	0.000
New compartment (7) A A	0.0	1.0000	0.000	0.000	18.288	-6.095	0.000
New compartment (7) A A A	0.0	1.0000	0.000	0.000	18.288	-3.657	0.000
New compartment (7) A A A A	0.0	1.0000	0.000	0.000	18.288	-1.219	0.000
New compartment (8)	0.0	1.0000	0.000	0.000	18.288	-13.409	0.000
New compartment (9)	0.0	1.0000	0.000	0.000	13.335	-10.971	0.000
New compartment (9) A	0.0	1.0000	0.000	0.000	13.335	-8.533	0.000
New compartment (9) A A	0.0	1.0000	0.000	0.000	13.335	-6.095	0.000
New compartment (9) A A A	0.0	1.0000	0.000	0.000	13.335	-3.657	0.000
New compartment (9) A A A A	0.0	1.0000	0.000	0.000	13.335	-1.219	0.000
New compartment (10)	0.0	1.0000	0.000	0.000	13.335	-13.409	0.000
New compartment (11)	0.0	1.0000	0.000	0.000	11.049	-10.971	0.000
New compartment (11) A	0.0	1.0000	0.000	0.000	11.049	-8.533	0.000
New compartment (11) A A	0.0	1.0000	0.000	0.000	11.049	-6.095	0.000
New compartment (11) A A A	0.0	1.0000	0.000	0.000	11.049	-3.657	0.000
New compartment (11) A A A A	0.0	1.0000	0.000	0.000	11.049	-1.219	0.000
New compartment (12)	0.0	1.0000	0.000	0.000	11.049	-13.409	0.000
New compartment (13)	0.0	1.0000	0.000	0.000	6.096	-10.971	0.000
New compartment (13) A	0.0	1.0000	0.000	0.000	6.096	-8.533	0.000
New compartment (13) A A	0.0	1.0000	0.000	0.000	6.096	-6.095	0.000
New compartment (13) A A A	0.0	1.0000	0.000	0.000	6.096	-3.657	0.000
New compartment (13) A A A A	0.0	1.0000	0.000	0.000	6.096	-1.219	0.000
New compartment (14)	0.0	1.0000	0.000	0.000	6.096	-13.409	0.000
New compartment (15)	0.0	1.0000	0.000	0.000	1.143	-10.971	0.000
New compartment (15) A	0.0	1.0000	0.000	0.000	1.143	-8.533	0.000
New compartment (15) A A	0.0	1.0000	0.000	0.000	1.143	-6.095	0.000
New compartment (15) A A A	0.0	1.0000	0.000	0.000	1.143	-3.657	0.000
New compartment (15) A A A A	0.0	1.0000	0.000	0.000	1.143	-1.219	0.000

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

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Loading condition : Light ship

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
New compartment (16)	0.0	1.0000	0.000	0.000	1.143	-13.409	0.000
New compartment (49)	0.0	1.0000	0.000	0.000	28.575	3.657	0.000
New compartment (49) A	0.0	1.0000	0.000	0.000	28.575	6.095	0.000
New compartment (49) A A	0.0	1.0000	0.000	0.000	28.575	8.533	0.000
New compartment (49) A A A	0.0	1.0000	0.000	0.000	28.575	10.971	0.000
New compartment (49) A A A A	0.0	1.0000	0.000	0.000	28.575	13.409	0.000
New compartment (50)	0.0	1.0000	0.000	0.000	28.575	1.219	0.000
New compartment (51)	0.0	1.0000	0.000	0.000	25.527	3.657	0.000
New compartment (51) A	0.0	1.0000	0.000	0.000	25.527	6.095	0.000
New compartment (51) A A	0.0	1.0000	0.000	0.000	25.527	8.533	0.000
New compartment (51) A A A	0.0	1.0000	0.000	0.000	25.527	10.971	0.000
New compartment (51) A A A A	0.0	1.0000	0.000	0.000	25.527	13.409	0.000
New compartment (52)	0.0	1.0000	0.000	0.000	25.527	1.219	0.000
New compartment (53)	0.0	1.0000	0.000	0.000	23.241	3.657	0.000
New compartment (53) A	0.0	1.0000	0.000	0.000	23.241	6.095	0.000
New compartment (53) A A	0.0	1.0000	0.000	0.000	23.241	8.533	0.000
New compartment (53) A A A	0.0	1.0000	0.000	0.000	23.241	10.971	0.000
New compartment (53) A A A A	0.0	1.0000	0.000	0.000	23.241	13.409	0.000
New compartment (54)	0.0	1.0000	0.000	0.000	23.241	1.219	0.000
New compartment (55)	0.0	1.0000	0.000	0.000	18.288	3.657	0.000
New compartment (55) A	0.0	1.0000	0.000	0.000	18.288	6.095	0.000
New compartment (55) A A	0.0	1.0000	0.000	0.000	18.288	8.533	0.000
New compartment (55) A A A	0.0	1.0000	0.000	0.000	18.288	10.971	0.000
New compartment (55) A A A A	0.0	1.0000	0.000	0.000	18.288	13.409	0.000
New compartment (56)	0.0	1.0000	0.000	0.000	18.288	1.219	0.000
New compartment (57)	0.0	1.0000	0.000	0.000	13.335	3.657	0.000
New compartment (57) A	0.0	1.0000	0.000	0.000	13.335	6.095	0.000
New compartment (57) A A	0.0	1.0000	0.000	0.000	13.335	8.533	0.000
New compartment (57) A A A	0.0	1.0000	0.000	0.000	13.335	10.971	0.000
New compartment (57) A A A A	0.0	1.0000	0.000	0.000	13.335	13.409	0.000
New compartment (58)	0.0	1.0000	0.000	0.000	13.335	1.219	0.000
New compartment (59)	0.0	1.0000	0.000	0.000	11.049	3.657	0.000
New compartment (59) A	0.0	1.0000	0.000	0.000	11.049	6.095	0.000
New compartment (59) A A	0.0	1.0000	0.000	0.000	11.049	8.533	0.000
New compartment (59) A A A	0.0	1.0000	0.000	0.000	11.049	10.971	0.000
New compartment (59) A A A A	0.0	1.0000	0.000	0.000	11.049	13.409	0.000
New compartment (60)	0.0	1.0000	0.000	0.000	11.049	1.219	0.000
New compartment (61)	0.0	1.0000	0.000	0.000	6.096	3.657	0.000
New compartment (61) A	0.0	1.0000	0.000	0.000	6.096	6.095	0.000
New compartment (61) A A	0.0	1.0000	0.000	0.000	6.096	8.533	0.000
New compartment (61) A A A	0.0	1.0000	0.000	0.000	6.096	10.971	0.000
New compartment (61) A A A A	0.0	1.0000	0.000	0.000	6.096	13.409	0.000
New compartment (62)	0.0	1.0000	0.000	0.000	6.096	1.219	0.000
New compartment (63)	0.0	1.0000	0.000	0.000	1.143	3.657	0.000
New compartment (63) A	0.0	1.0000	0.000	0.000	1.143	6.095	0.000
New compartment (63) A A	0.0	1.0000	0.000	0.000	1.143	8.533	0.000
New compartment (63) A A A	0.0	1.0000	0.000	0.000	1.143	10.971	0.000
New compartment (63) A A A A	0.0	1.0000	0.000	0.000	1.143	13.409	0.000
New compartment (64)	0.0	1.0000	0.000	0.000	1.143	1.219	0.000

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

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Loading condition : Light ship

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
TOTAL	-	-	361.200	1.981	15.584	0.000	0.000

Hydrostatics

Volume	361.200 m ³
LCF	15.240 m
Mom. change trim	22.645 tonm/cm
Ton/cm immersion	8.915 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.405 m
Draft aft (App)	0.378 m
Draft fore (Fpp)	0.433 m
Trim	0.055 m

Transverse stability

KM transverse	176.179 m		
VCG	1.981 m		
GM solid	174.198 m		
GG' correction	0.000 m		
G'M liquid	174.198 m	VCG'	1.981 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

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Loading condition : Light ship

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-13.961	1.405	-6.635	-1.716	0.000	-4.919	8.794
50.00	PS	-9.297	0.967	-8.179	-1.518	0.000	-6.662	7.781
40.00	PS	-6.253	0.679	-9.465	-1.273	0.000	-8.192	6.481
35.00	PS	-5.054	0.568	-9.995	-1.136	0.000	-8.859	5.737
30.00	PS	-3.994	0.468	-10.439	-0.991	0.000	-9.449	4.937
25.00	PS	-3.035	0.377	-10.786	-0.837	0.000	-9.949	4.090
20.00	PS	-2.152	0.296	-11.013	-0.678	0.000	-10.335	3.204
15.00	PS	-1.323	0.218	-11.060	-0.513	0.000	-10.547	2.291
10.00	PS	-0.532	0.143	-10.697	-0.344	0.000	-10.353	1.374
5.00	PS	0.161	0.098	-9.138	-0.173	0.000	-8.966	0.521
2.00	PS	0.399	0.062	-5.942	-0.069	0.000	-5.873	0.109
0.00		0.405	0.055	0.000	0.000	0.000	0.000	0.000
2.00	SB	0.399	0.062	5.942	0.069	0.000	5.873	0.109
5.00	SB	0.161	0.098	9.138	0.173	0.000	8.966	0.521
10.00	SB	-0.532	0.143	10.697	0.344	0.000	10.353	1.374
15.00	SB	-1.323	0.218	11.060	0.513	0.000	10.547	2.291
20.00	SB	-2.152	0.296	11.013	0.678	0.000	10.335	3.204
25.00	SB	-3.035	0.377	10.786	0.837	0.000	9.949	4.090
30.00	SB	-3.994	0.468	10.439	0.991	0.000	9.449	4.937
35.00	SB	-5.054	0.568	9.995	1.136	0.000	8.859	5.737
40.00	SB	-6.253	0.679	9.465	1.273	0.000	8.192	6.481
50.00	SB	-9.297	0.967	8.179	1.518	0.000	6.662	7.781
60.00	SB	-13.961	1.405	6.635	1.716	0.000	4.919	8.794

Statical angle of inclination is 0.00 degrees

Contour : No deck cargo

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:11

Loading condition : Light ship

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.405 m
Trim	0.055 m
Statical angle of inclination	0.00 degrees
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	<u>Criterion</u>	<u>Value</u>
Minimum metacentric height G'M	0.150	174.198 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.000 degrees
Distance between waterline and deck due to wind- and passenger moment	0.300	1.547 meter
Base of hull submerged (distance > 0)	0.000	-0.378 meter

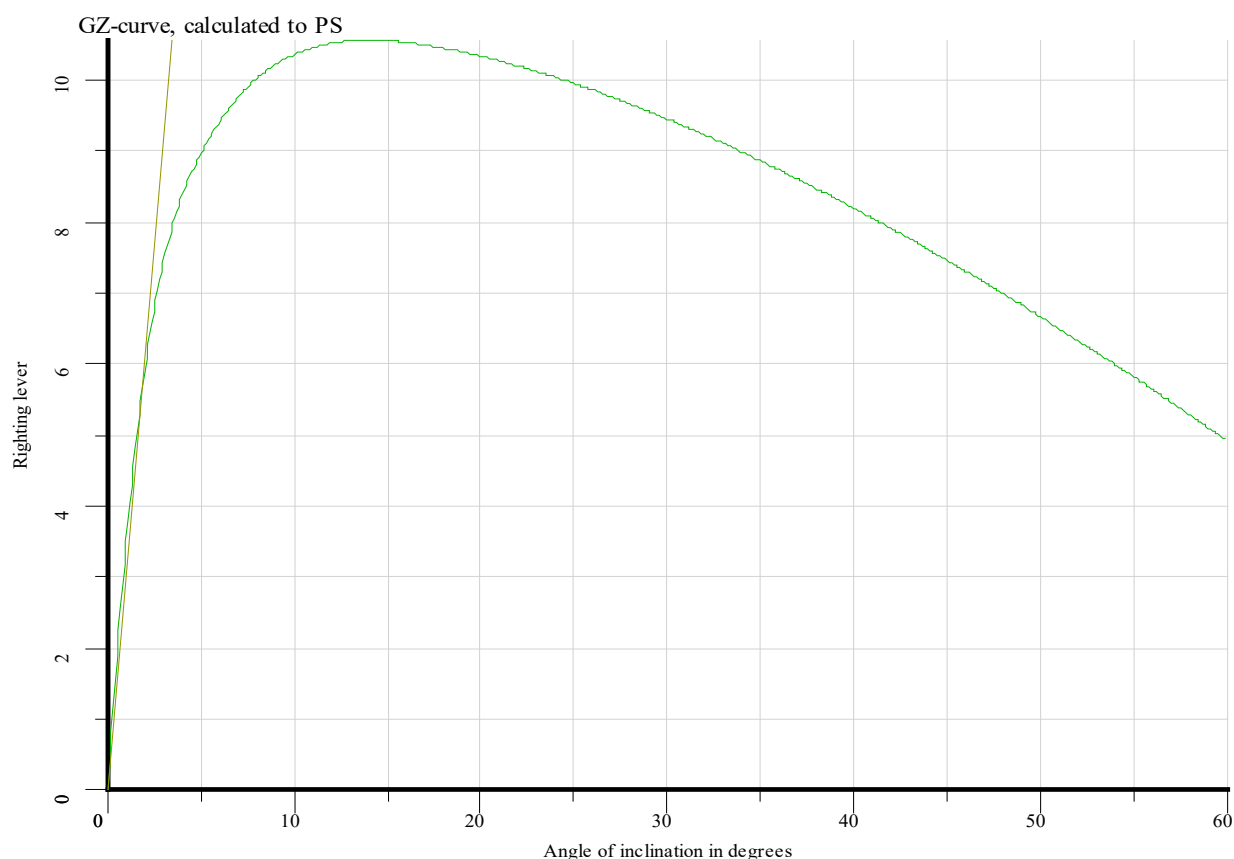
Calculated to SB

	<u>Criterion</u>	<u>Value</u>
Minimum metacentric height G'M	0.150	174.198 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.000 degrees
Distance between waterline and deck due to wind- and passenger moment	0.300	1.547 meter
Base of hull submerged (distance > 0)	0.000	-0.378 meter

VCG'

Maximum allowable PS	176.029 m
Maximum allowable SB	176.029 m
Maximum allowable	176.029 m
Actual	1.981 m

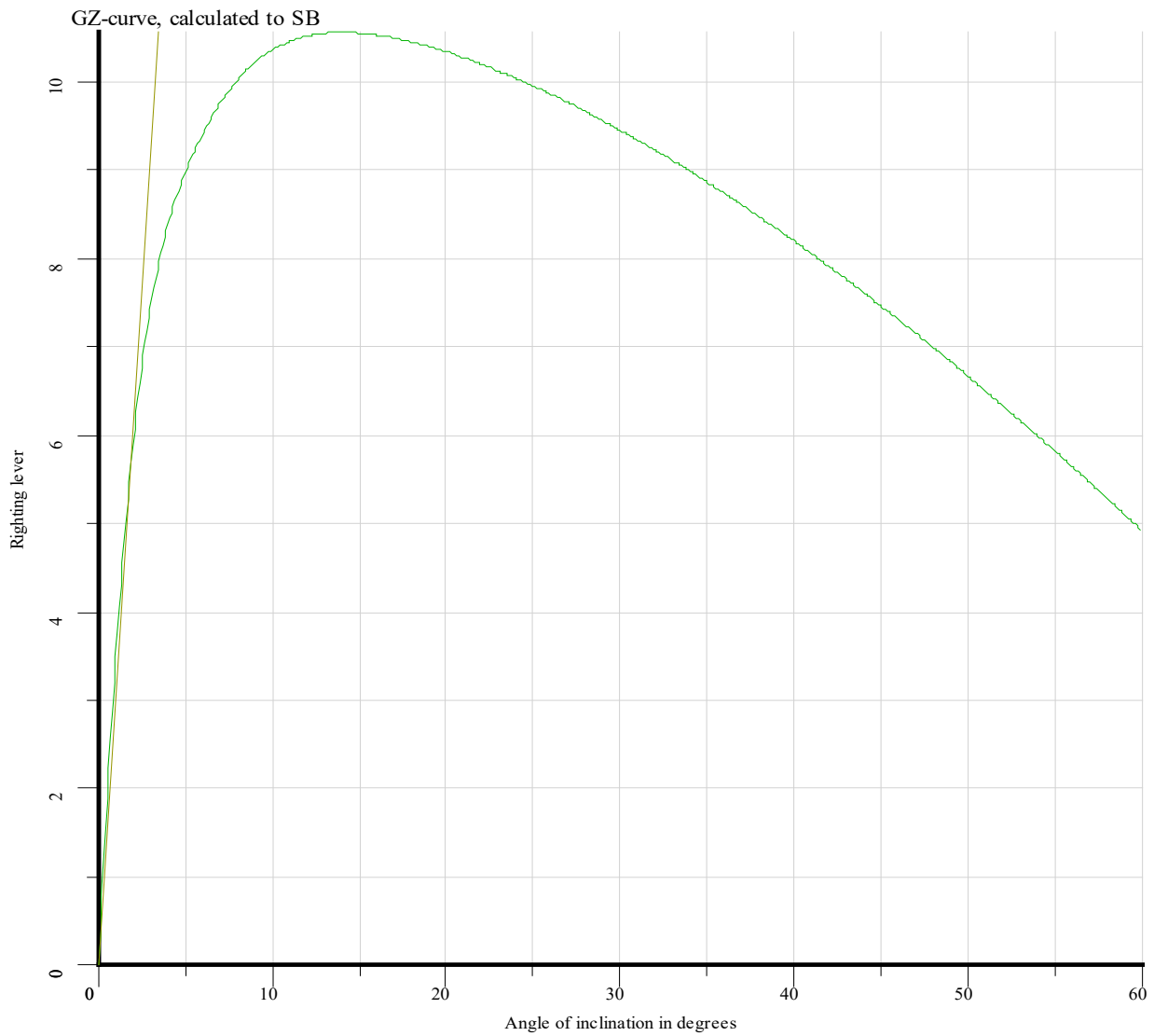
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

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Loading condition : Light ship



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

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Loading condition : Light ship

Draft at equilibrium at selected locations

Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-14.630	0.000	-0.378
aft SB	0.000	14.630	0.000	-0.378
fore PS	30.480	-14.630	0.000	-0.433
fore SB	30.480	14.630	0.000	-0.433

The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

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Loading condition : Light ship

Wind contour : No deck cargo

0[m]		10		20		30	
1	New compartment (1)	2	New compartment (1) A	3	New compartment (1) A A	4	New compartment (1) A A A
3	New compartment (1) A A	5	New compartment (1) A A A A	6	New compartment (2)	7	New compartment (2) A
5	New compartment (1) A A A A	8	New compartment (2) A A	9	New compartment (2) A A A	10	New compartment (2) A A A A
7	New compartment (3)	11	New compartment (3) A	12	New compartment (3) A A	13	New compartment (3) A A A
9	New compartment (3) A A	14	New compartment (3) A A A	15	New compartment (4)	16	New compartment (4) A
11	New compartment (3) A A A A	17	New compartment (4) A A	18	New compartment (4) A A A	19	New compartment (4) A A A A
13	New compartment (5)	20	New compartment (5) A	21	New compartment (5) A A	22	New compartment (5) A A A
15	New compartment (5) A A	23	New compartment (5) A A A	24	New compartment (6)	25	New compartment (6) A
17	New compartment (5) A A A A	26	New compartment (6) A A	27	New compartment (6) A A A	28	New compartment (6) A A A A
19	New compartment (7)	29	New compartment (7) A	30	New compartment (7) A A	31	New compartment (7) A A A
21	New compartment (7) A A	32	New compartment (7) A A A	33	New compartment (8)	34	New compartment (8) A
23	New compartment (7) A A A A	35	New compartment (8) A A	36	New compartment (8) A A A	37	New compartment (8) A A A A
25	New compartment (9)	38	New compartment (9) A	39	New compartment (9) A A	40	New compartment (9) A A A
27	New compartment (9) A A	41	New compartment (9) A A A	42	New compartment (10)	43	New compartment (10) A
29	New compartment (9) A A A A	44	New compartment (10) A A	45	New compartment (10) A A A	46	New compartment (10) A A A A
31	New compartment (11)	47	New compartment (11) A	48	New compartment (11) A A	49	New compartment (11) A A A
33	New compartment (11) A A	50	New compartment (11) A A A	51	New compartment (12)	52	New compartment (12) A
35	New compartment (11) A A A A	53	New compartment (12) A A	54	New compartment (12) A A A	55	New compartment (12) A A A A
37	New compartment (13)	56	New compartment (13) A	57	New compartment (13) A A	58	New compartment (13) A A A
39	New compartment (13) A A	59	New compartment (13) A A A	60	New compartment (14)	61	New compartment (14) A
41	New compartment (13) A A A A	62	New compartment (14) A A	63	New compartment (14) A A A	64	New compartment (14) A A A A
43	New compartment (15)	65	New compartment (15) A	66	New compartment (15) A A	67	New compartment (15) A A A
45	New compartment (15) A A	68	New compartment (15) A A A	69	New compartment (16)	70	New compartment (16) A
47	New compartment (15) A A A A	71	New compartment (16) A A	72	New compartment (16) A A A	73	New compartment (16) A A A A
49	New compartment (17)	74	New compartment (17) A				
51	New compartment (17) A A						
53	New compartment (17) A A A						
55	New compartment (19)						
57	New compartment (19) A A						
59	New compartment (19) A A A						
61	New compartment (21)						
63	New compartment (21) A A						
65	New compartment (21) A A A						
67	New compartment (23)						
69	New compartment (23) A A						
71	New compartment (23) A A A						
73	New compartment (25)						

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:11

Loading condition : Light ship

75 New compartment (57) A A	76 New compartment (57) A A A
77 New compartment (57) A A A A	78 New compartment (58)
79 New compartment (59)	80 New compartment (59) A
81 New compartment (59) A A	82 New compartment (59) A A A
83 New compartment (59) A A A A	84 New compartment (60)
85 New compartment (61)	86 New compartment (61) A
87 New compartment (61) A A	88 New compartment (61) A A A
89 New compartment (61) A A A A	90 New compartment (62)
91 New compartment (63)	92 New compartment (63) A
93 New compartment (63) A A	94 New compartment (63) A A A
95 New compartment (63) A A A A	96 New compartment (64)

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:11

Loading condition : Light ship

Horizontal section at 1.500 m

48	42	36	30	24	18	12	6
43	37	31	25	19	13	7	1
44	38	32	26	20	14	8	2
45	39	33	27	21	15	9	3
46	40	34	28	22	16	10	4
47	41	35	29	23	17	11	5
96	90	84	78	72	66	60	54
91	85	79	73	67	61	55	49
92	86	80	74	68	62	56	50
93	87	81	75	69	63	57	51
94	88	82	76	70	64	58	52
95	89	83	77	71	65	59	53

0[m] 10 20 30

Cross section at 15.850 m

24	19	20	21	22	23	72	67	68	69	70	71
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-14 -12 -10 -8 -6 -4 -2 0[m] 4 6 8 10 12 14

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:11

Loading condition : Pontoon with equipment

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	361.200	1.981	15.584	0.000	-
Subtotals for group : Deck equipment							
railing & misc	-	-	1.000	2.500	15.240	0.000	-
SUBTOTAL	-	-	1.000	2.500	15.240	0.000	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	11.581	-
Spud carrier 2	-	-	1.330	1.000	-0.550	-11.581	-
Spud carrier 3	-	-	1.330	1.000	30.970	11.581	-
Spud carrier 4	-	-	1.330	1.000	30.970	-11.581	-
SUBTOTAL	-	-	5.320	1.000	15.210	0.000	-
TOTAL	-	-	367.520	1.968	15.578	0.000	-

Hydrostatics

Volume	367.520 m ³
LCF	15.240 m
Mom. change trim	22.644 tonm/cm
Ton/cm immersion	8.915 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.412 m
Draft aft (App)	0.385 m
Draft fore (Fpp)	0.440 m
Trim	0.055 m

Transverse stability

KM transverse	173.153 m		
VCG	1.968 m		
GM solid	171.185 m		
GG' correction	0.000 m		
G'M liquid	171.185 m	VCG'	1.968 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:11

Loading condition : Pontoon with equipment

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-13.779	1.403	-6.609	-1.705	0.000	-4.905	8.759
50.00	PS	-9.172	0.966	-8.147	-1.508	0.000	-6.639	7.749
40.00	PS	-6.165	0.681	-9.427	-1.265	0.000	-8.162	6.454
35.00	PS	-4.981	0.567	-9.954	-1.129	0.000	-8.825	5.712
30.00	PS	-3.933	0.467	-10.396	-0.984	0.000	-9.412	4.916
25.00	PS	-2.986	0.378	-10.741	-0.832	0.000	-9.910	4.072
20.00	PS	-2.114	0.295	-10.968	-0.673	0.000	-10.294	3.189
15.00	PS	-1.295	0.217	-11.017	-0.509	0.000	-10.507	2.280
10.00	PS	-0.514	0.143	-10.661	-0.342	0.000	-10.319	1.366
5.00	PS	0.173	0.097	-9.091	-0.172	0.000	-8.919	0.516
2.00	PS	0.407	0.061	-5.867	-0.069	0.000	-5.798	0.108
0.00		0.412	0.055	0.000	0.000	0.000	-0.000	0.000
2.00	SB	0.407	0.061	5.867	0.069	0.000	5.798	0.108
5.00	SB	0.173	0.097	9.091	0.172	0.000	8.919	0.516
10.00	SB	-0.514	0.143	10.661	0.342	0.000	10.319	1.366
15.00	SB	-1.295	0.217	11.017	0.509	0.000	10.507	2.280
20.00	SB	-2.114	0.295	10.968	0.673	0.000	10.294	3.189
25.00	SB	-2.986	0.378	10.741	0.832	0.000	9.910	4.072
30.00	SB	-3.933	0.467	10.396	0.984	0.000	9.412	4.916
35.00	SB	-4.981	0.567	9.954	1.129	0.000	8.825	5.712
40.00	SB	-6.165	0.681	9.427	1.265	0.000	8.162	6.454
50.00	SB	-9.172	0.966	8.147	1.508	0.000	6.639	7.749
60.00	SB	-13.779	1.403	6.609	1.705	0.000	4.905	8.759

Statical angle of inclination is 0.00 degrees

Contour : No deck cargo

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:11

Loading condition : Pontoon with equipment

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.412 m
Trim	0.055 m
Statical angle of inclination	0.00 degrees
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	<u>Criterion</u>	<u>Value</u>
Minimum metacentric height G'M	0.150	171.185 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.000 degrees
Distance between waterline and deck due to wind- and passenger moment	0.300	1.540 meter
Base of hull submerged (distance > 0)	0.000	-0.385 meter

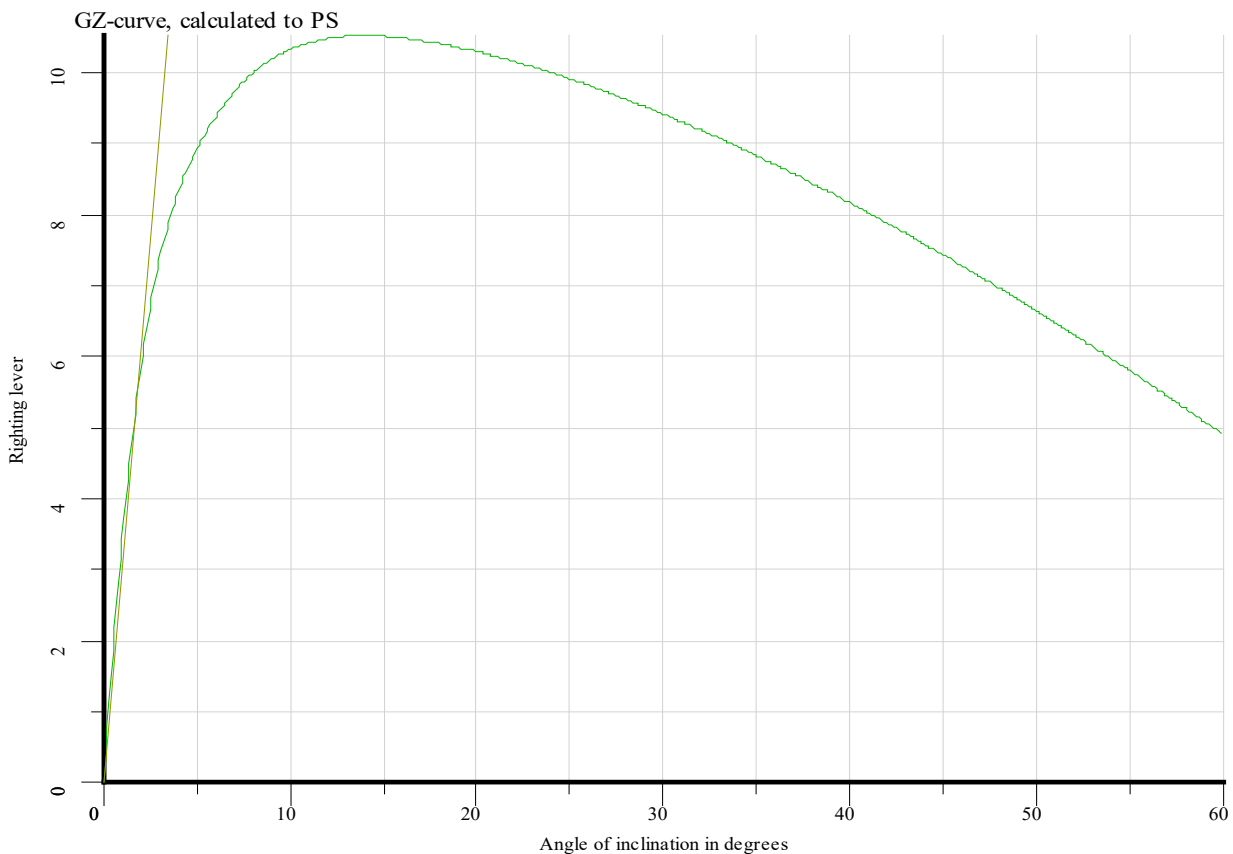
Calculated to SB

	<u>Criterion</u>	<u>Value</u>
Minimum metacentric height G'M	0.150	171.185 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.000 degrees
Distance between waterline and deck due to wind- and passenger moment	0.300	1.540 meter
Base of hull submerged (distance > 0)	0.000	-0.385 meter

VCG'

Maximum allowable PS	173.003 m
Maximum allowable SB	173.003 m
Maximum allowable	173.003 m
Actual	1.968 m

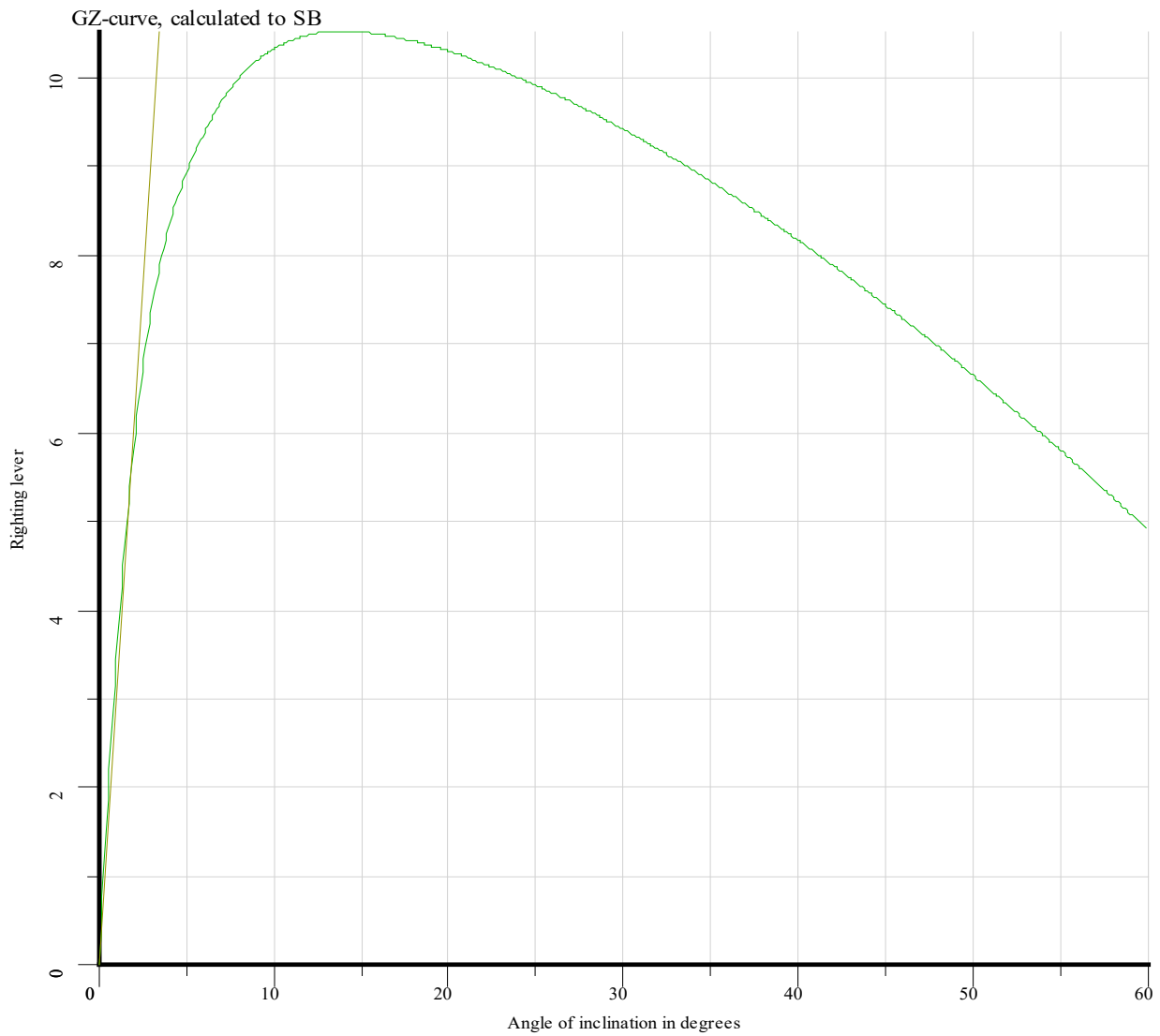
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:11

Loading condition : Pontoon with equipment



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:11

Loading condition : Pontoon with equipment

Draft at equilibrium at selected locations

Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-14.630	0.000	-0.385
aft SB	0.000	14.630	0.000	-0.385
fore PS	30.480	-14.630	0.000	-0.440
fore SB	30.480	14.630	0.000	-0.440

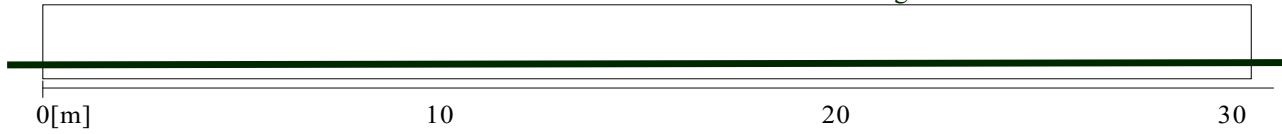
The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

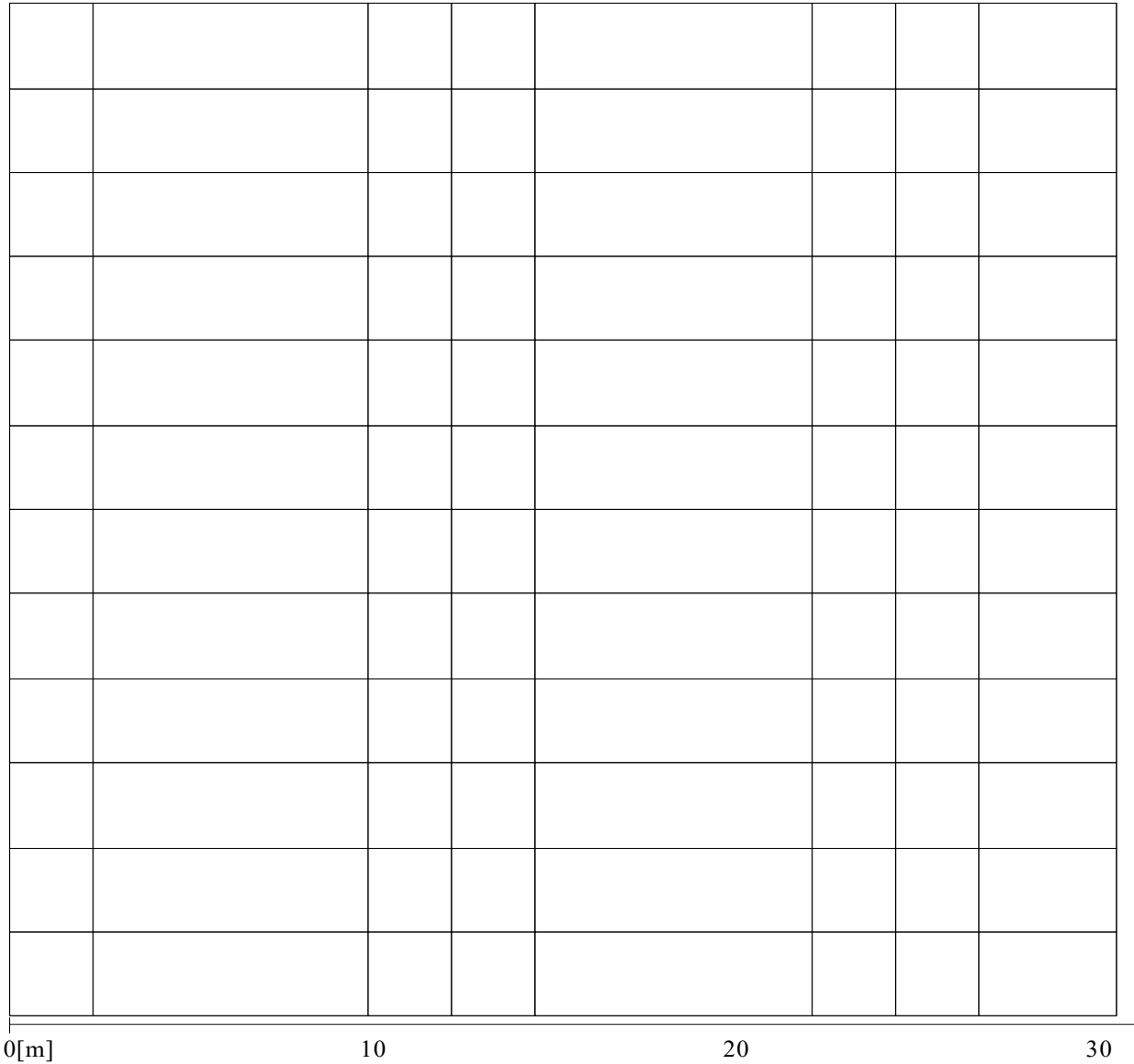
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Loading condition : Pontoon with equipment

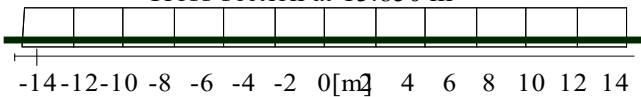
Wind contour : No deck cargo



Horizontal section at 1.500 m



Cross section at 15.850 m



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	361.200	1.981	15.584	0.000	-
Subtotals for group : Deck equipment railing & misc	-	-	1.000	2.500	15.240	0.000	-
SUBTOTAL	-	-	1.000	2.500	15.240	0.000	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	11.581	-
Spud carrier 2	-	-	1.330	1.000	-0.550	-11.581	-
Spud carrier 3	-	-	1.330	1.000	30.970	11.581	-
Spud carrier 4	-	-	1.330	1.000	30.970	-11.581	-
SUBTOTAL	-	-	5.320	1.000	15.210	0.000	-
Subtotals for group : Deck cargo							
== Total 2230 passengers ==	-	-	167.230	3.000	15.240	0.000	-
SUBTOTAL	-	-	167.230	3.000	15.240	0.000	-
TOTAL	-	-	534.750	2.291	15.472	0.000	-

Hydrostatics

Volume	534.750 m ³
LCF	15.240 m
Mom. change trim	22.641 tonm/cm
Ton/cm immersion	8.914 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.600 m
Draft aft (App)	0.572 m
Draft fore (Fpp)	0.627 m
Trim	0.055 m

Transverse stability

KM transverse	119.100 m		
VCG	2.291 m		
GM solid	116.809 m		
GG' correction	0.000 m		
G'M liquid	116.809 m	VCG'	2.291 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-8.980	1.403	-5.927	-1.984	0.000	-3.943	7.483
50.00	PS	-5.870	0.962	-7.272	-1.755	0.000	-5.517	6.656
40.00	PS	-3.840	0.681	-8.389	-1.473	0.000	-6.916	5.568
35.00	PS	-3.040	0.568	-8.848	-1.314	0.000	-7.534	4.937
30.00	PS	-2.333	0.467	-9.234	-1.145	0.000	-8.089	4.255
25.00	PS	-1.694	0.378	-9.537	-0.968	0.000	-8.569	3.527
20.00	PS	-1.105	0.295	-9.742	-0.784	0.000	-8.959	2.762
15.00	PS	-0.552	0.217	-9.809	-0.593	0.000	-9.216	1.967
10.00	PS	-0.025	0.143	-9.580	-0.398	0.000	-9.182	1.162
5.00	PS	0.473	0.080	-7.962	-0.200	0.000	-7.762	0.397
2.00	PS	0.600	0.055	-4.159	-0.080	0.000	-4.079	0.074
0.00		0.600	0.055	0.000	0.000	0.000	-0.000	-0.000
2.00	SB	0.600	0.055	4.159	0.080	0.000	4.079	0.074
5.00	SB	0.473	0.080	7.962	0.200	0.000	7.762	0.397
10.00	SB	-0.025	0.143	9.580	0.398	0.000	9.182	1.162
15.00	SB	-0.552	0.217	9.809	0.593	0.000	9.216	1.967
20.00	SB	-1.105	0.295	9.742	0.784	0.000	8.959	2.762
25.00	SB	-1.694	0.378	9.537	0.968	0.000	8.569	3.527
30.00	SB	-2.333	0.467	9.234	1.145	0.000	8.089	4.255
35.00	SB	-3.040	0.568	8.848	1.314	0.000	7.534	4.937
40.00	SB	-3.840	0.681	8.389	1.473	0.000	6.916	5.568
50.00	SB	-5.870	0.962	7.272	1.755	0.000	5.517	6.656
60.00	SB	-8.980	1.403	5.927	1.984	0.000	3.943	7.483

Statical angle of inclination is 0.00 degrees

Contour : with deck cargo

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.600 m
Trim	0.055 m
Statical angle of inclination	0.00 degrees
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	<u>Criterion</u>	<u>Value</u>
Minimum metacentric height G'M	0.150	116.809 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.000 degrees
Distance between waterline and deck due to wind- and passenger moment	0.300	1.351 meter
Base of hull submerged (distance > 0)	0.000	-0.571 meter

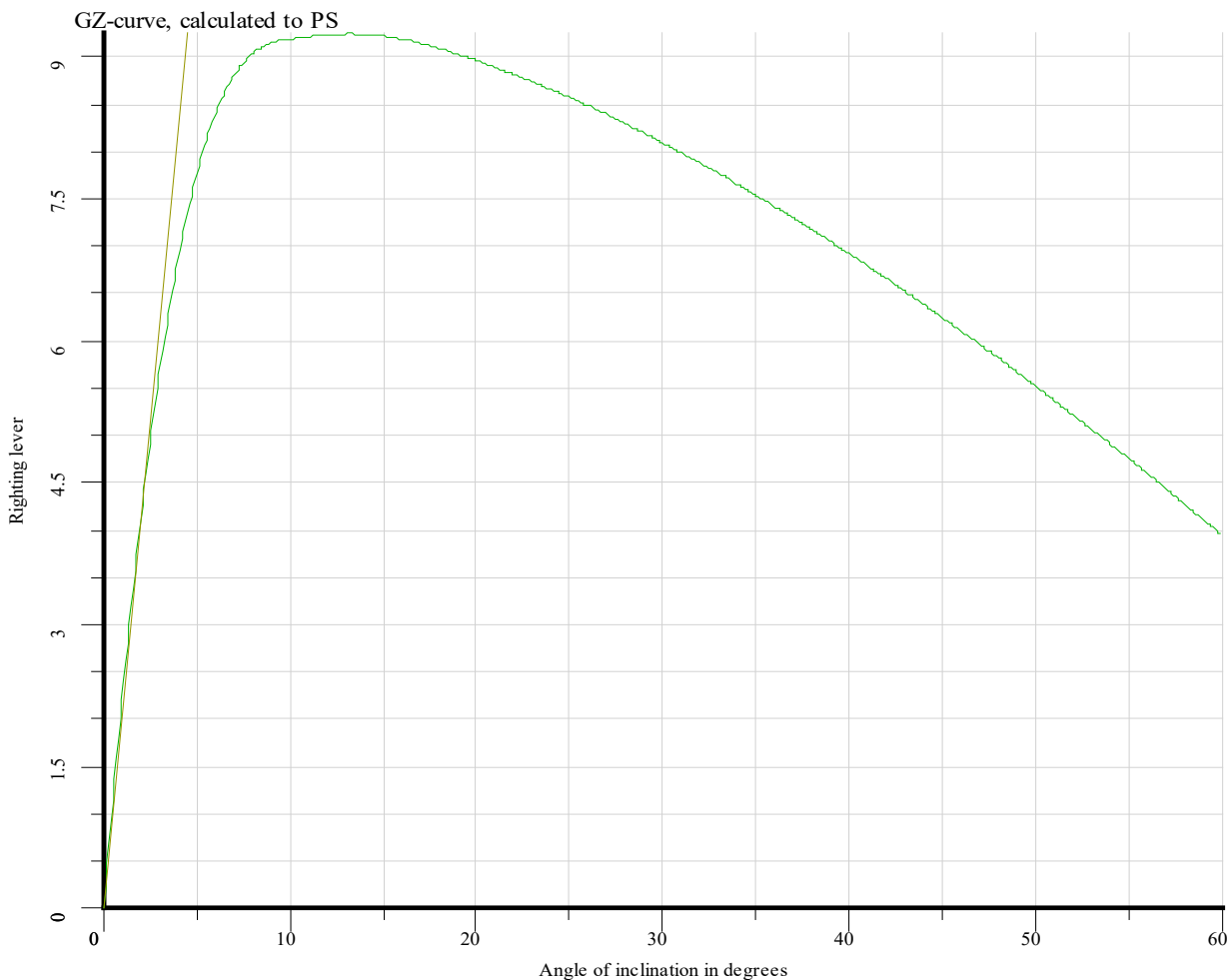
Calculated to SB

	<u>Criterion</u>	<u>Value</u>
Minimum metacentric height G'M	0.150	116.809 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.000 degrees
Distance between waterline and deck due to wind- and passenger moment	0.300	1.351 meter
Base of hull submerged (distance > 0)	0.000	-0.571 meter

VCG'

Maximum allowable PS	118.949 m
Maximum allowable SB	118.949 m
Maximum allowable	118.949 m
Actual	2.291 m

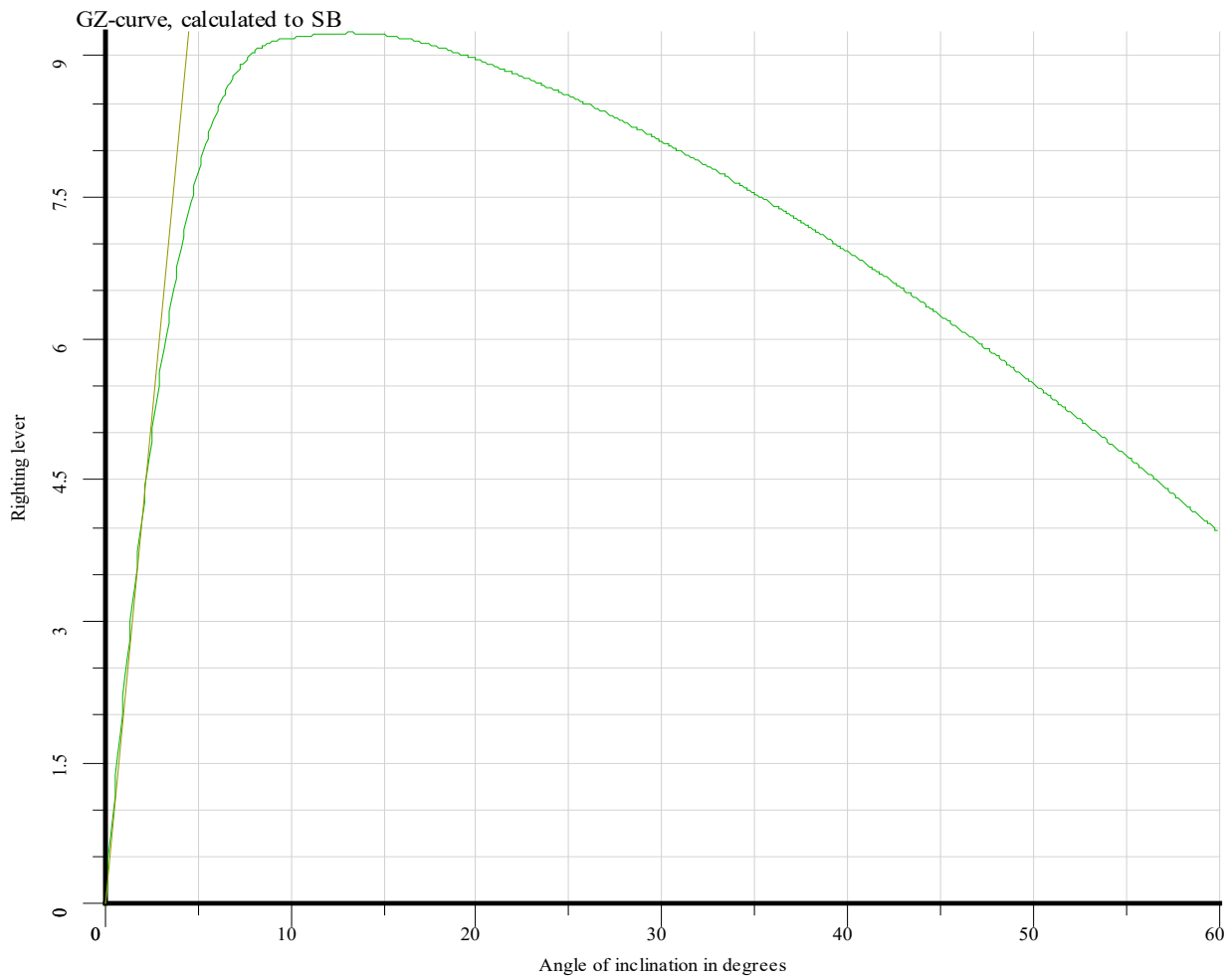
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Draft at equilibrium at selected locations

Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-14.630	0.000	-0.572
aft SB	0.000	14.630	0.000	-0.572
fore PS	30.480	-14.630	0.000	-0.627
fore SB	30.480	14.630	0.000	-0.627

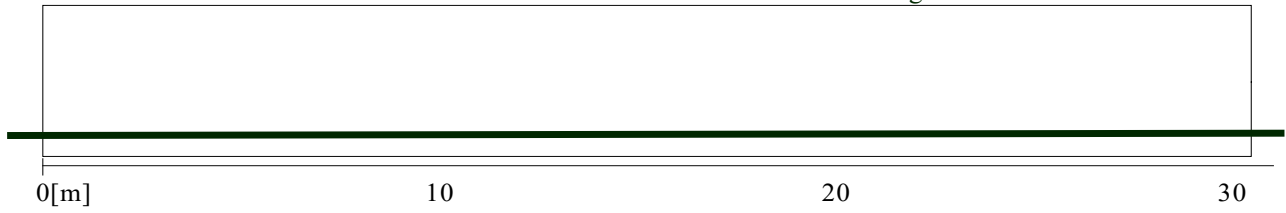
The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

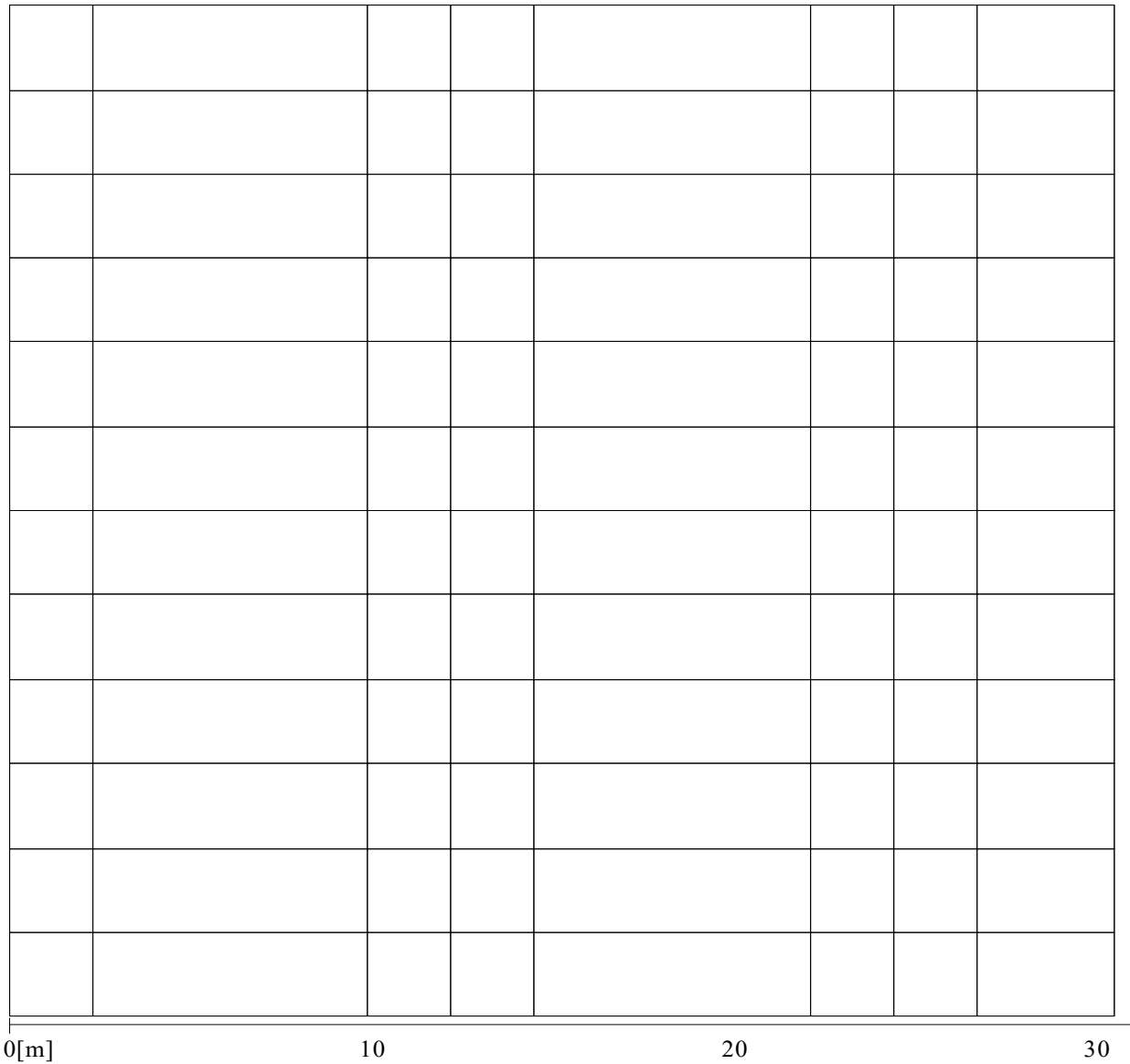
02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Wind contour : with deck cargo



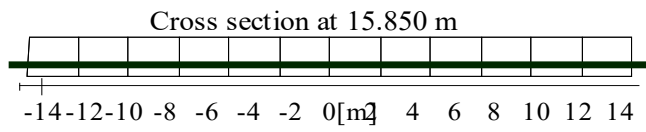
Horizontal section at 1.500 m



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	361.200	1.981	15.584	0.000	-
Subtotals for group : Deck equipment railing & misc	-	-	1.000	2.500	15.240	0.000	-
SUBTOTAL	-	-	1.000	2.500	15.240	0.000	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	11.581	-
Spud carrier 2	-	-	1.330	1.000	-0.550	-11.581	-
Spud carrier 3	-	-	1.330	1.000	30.970	11.581	-
Spud carrier 4	-	-	1.330	1.000	30.970	-11.581	-
SUBTOTAL	-	-	5.320	1.000	15.210	0.000	-
Subtotals for group : Deck cargo							
== Total 2230 passengers ==	-	-	167.230	3.000	15.240	0.000	-
SUBTOTAL	-	-	167.230	3.000	15.240	0.000	-
TOTAL	-	-	534.750	2.291	15.472	0.000	-

Hydrostatics

Volume	534.750 m ³
LCF	15.240 m
Mom. change trim	22.641 tonm/cm
Ton/cm immersion	8.914 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.600 m
Draft aft (App)	0.572 m
Draft fore (Fpp)	0.627 m
Trim	0.055 m

Transverse stability

KM transverse	119.100 m		
VCG	2.291 m		
GM solid	116.809 m		
GG' correction	0.000 m		
G'M liquid	116.809 m	VCG'	2.291 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-8.980	1.403	-5.927	-1.984	0.763	-4.706	8.814
50.00	PS	-5.870	0.962	-7.272	-1.755	0.980	-6.497	7.833
40.00	PS	-3.840	0.681	-8.389	-1.473	1.168	-8.084	6.558
35.00	PS	-3.040	0.568	-8.848	-1.314	1.249	-8.784	5.821
30.00	PS	-2.333	0.467	-9.234	-1.145	1.321	-9.409	5.027
25.00	PS	-1.694	0.378	-9.537	-0.968	1.382	-9.951	4.181
20.00	PS	-1.105	0.295	-9.742	-0.784	1.433	-10.392	3.293
15.00	PS	-0.552	0.217	-9.809	-0.593	1.473	-10.689	2.371
10.00	PS	-0.025	0.143	-9.580	-0.398	1.502	-10.684	1.436
5.00	PS	0.473	0.080	-7.962	-0.200	1.519	-9.281	0.539
2.00	PS	0.600	0.055	-4.159	-0.080	1.524	-5.603	0.136
0.00		0.600	0.055	0.000	0.000	1.525	-1.525	0.009
2.00	SB	0.600	0.055	4.159	0.080	1.524	2.555	0.030
5.00	SB	0.473	0.080	7.962	0.200	1.519	6.243	0.273
10.00	SB	-0.025	0.143	9.580	0.398	1.502	7.681	0.907
15.00	SB	-0.552	0.217	9.809	0.593	1.473	7.743	1.582
20.00	SB	-1.105	0.295	9.742	0.784	1.433	7.526	2.250
25.00	SB	-1.694	0.378	9.537	0.968	1.382	7.187	2.892
30.00	SB	-2.333	0.467	9.234	1.145	1.321	6.768	3.501
35.00	SB	-3.040	0.568	8.848	1.314	1.249	6.285	4.071
40.00	SB	-3.840	0.681	8.389	1.473	1.168	5.748	4.597
50.00	SB	-5.870	0.962	7.272	1.755	0.980	4.536	5.497
60.00	SB	-8.980	1.403	5.927	1.984	0.763	3.181	6.172

Statical angle of inclination is 0.75 degrees to starboard

Contour : with deck cargo

Additional heeling moment is 815.525 tonm

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.600 m
Trim	0.055 m
Statical angle of inclination	0.75 degrees SB
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	Criterion	Value
Minimum metacentric height G'M	0.150	116.809 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.753 degrees SB
Distance between waterline and deck due to wind- and passenger moment	0.300	1.161 meter
Base of hull submerged (distance > 0)	0.000	-0.383 meter

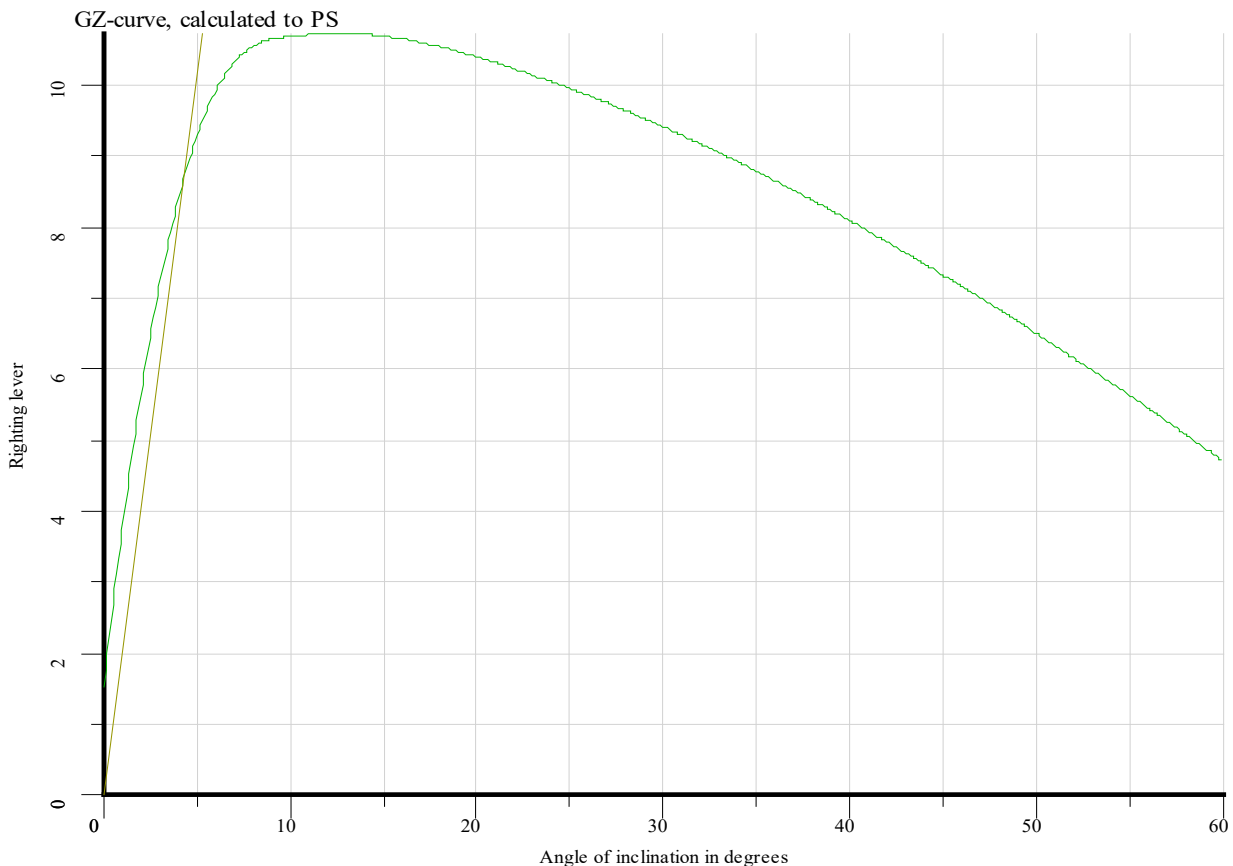
Calculated to SB

	Criterion	Value
Minimum metacentric height G'M	0.150	116.809 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.753 degrees SB
Distance between waterline and deck due to wind- and passenger moment	0.300	1.159 meter
Base of hull submerged (distance > 0)	0.000	-0.381 meter

VCG'

Maximum allowable PS	77.294 m
Maximum allowable SB	76.792 m
Maximum allowable	76.792 m
Actual	2.291 m

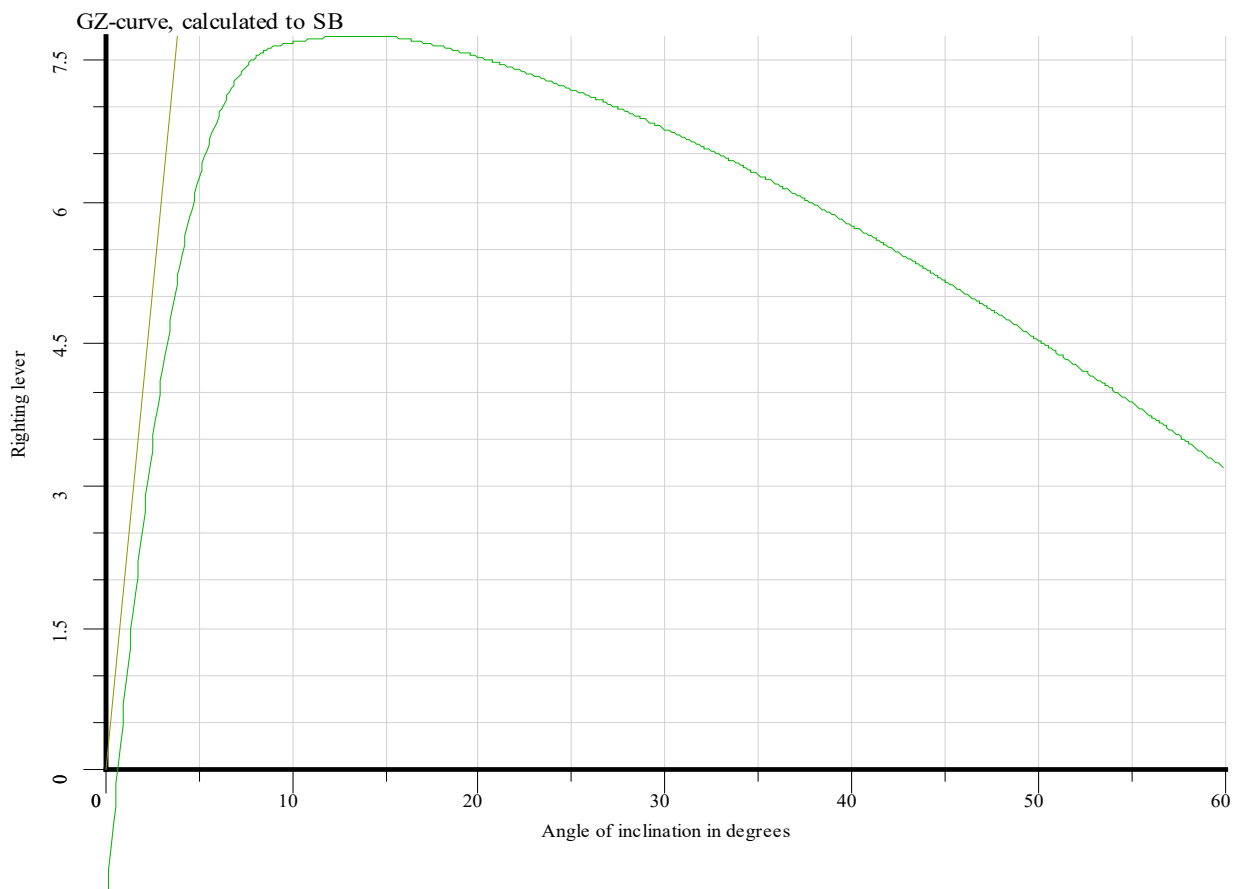
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Draft at equilibrium at selected locations

Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-14.630	0.000	-0.382
aft SB	0.000	14.630	0.000	-0.766
fore PS	30.480	-14.630	0.000	-0.436
fore SB	30.480	14.630	0.000	-0.820

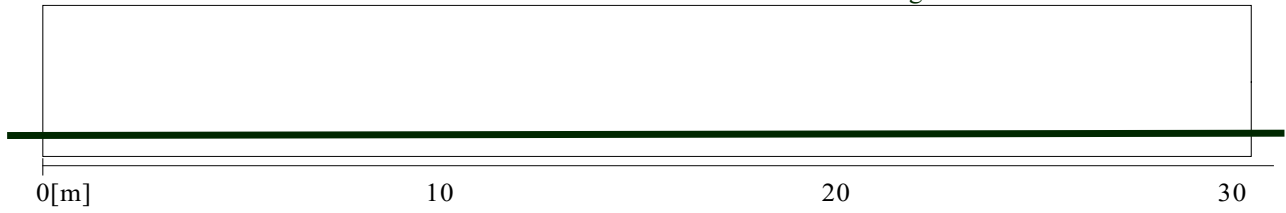
The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

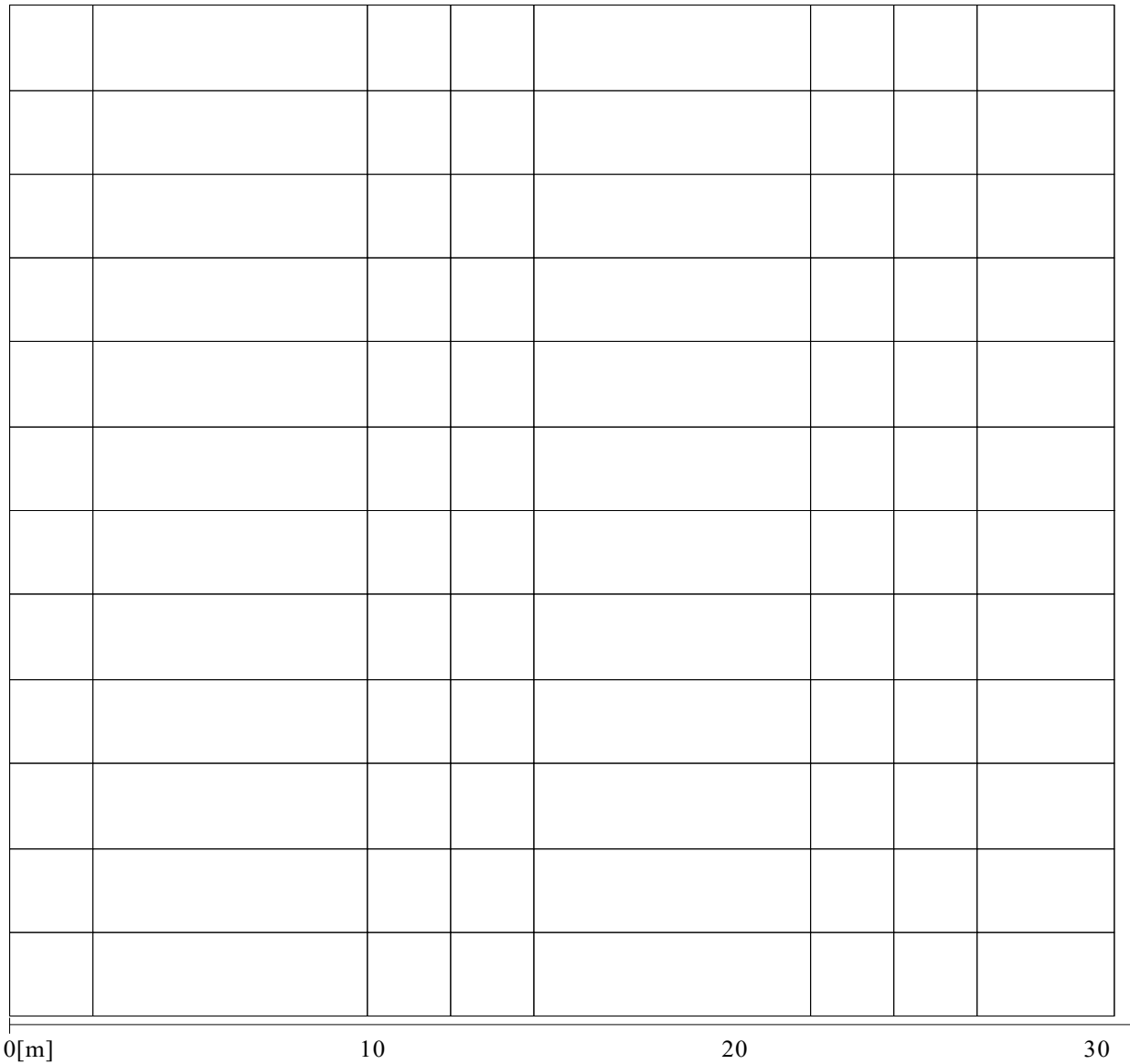
02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Wind contour : with deck cargo



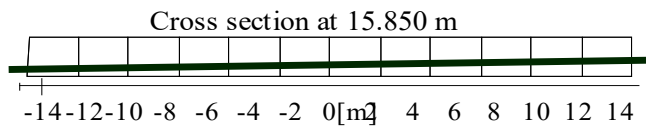
Horizontal section at 1.500 m



TRIM AND STABILITY CALCULATION
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:36:12

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)



5. DAMAGE STABILITY CALCULATIONS

FLOODABILITY AND DAMAGE STABILITY pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.079 m
Marginline	fore PS	-0.739 m
Marginline	aft SB	-0.658 m
Marginline	fore SB	-0.318 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.079 m
Marginline	fore PS	-0.739 m
Marginline	aft SB	-0.658 m
Marginline	fore SB	-0.318 m

Damaged compartments and intact compartment weights (at 0.83° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (13)	0.000	1.0000	16.978	1.0000
New compartment (13) A	0.000	1.0000	16.319	1.0000
New compartment (13) A A	0.000	1.0000	15.685	1.0000
New compartment (14)	0.000	1.0000	17.722	1.0000
New compartment (15)	0.000	1.0000	5.409	1.0000
New compartment (15) A	0.000	1.0000	5.183	1.0000
New compartment (15) A A	0.000	1.0000	4.992	1.0000
New compartment (16)	0.000	1.0000	5.642	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	716.263	-3.770	-19.700	-2.708	5.395
50.00 PS	716.254	-2.286	-13.551	-3.929	4.814
40.00 PS	716.249	-1.316	-9.541	-5.024	4.031
35.00 PS	716.254	-0.935	-7.963	-5.511	3.571
30.00 PS	716.249	-0.597	-6.565	-5.950	3.070
25.00 PS	716.249	-0.292	-5.302	-6.331	2.534
20.00 PS	716.251	-0.010	-4.138	-6.638	1.968
15.00 PS	716.174	0.253	-3.045	-6.831	1.378
10.00 PS	716.000	0.505	-2.003	-6.753	0.784
5.00 PS	701.808	0.720	-0.957	-5.435	0.226

FLOODABILITY AND DAMAGE STABILITY

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case AFT PS
Stage of flooding 100%
Intact displacement 534.750 ton
Intact VCG 2.291 m
Intact LCG 15.472 m
Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
2.00	PS	646.698	0.725	-0.459	-1.992	0.022
0.83	PS	622.424	0.698	-0.347	0.000	0.000
0.00		605.370	0.679	-0.269	1.288	0.008
2.00	SB	564.003	0.633	-0.079	4.565	0.112
5.00	SB	534.780	0.473	0.080	7.763	0.445
10.00	SB	534.755	-0.025	0.143	9.183	1.208
15.00	SB	534.749	-0.552	0.217	9.216	2.013
20.00	SB	534.746	-1.105	0.295	8.959	2.808
25.00	SB	534.756	-1.694	0.377	8.569	3.573
30.00	SB	534.738	-2.333	0.468	8.088	4.301
35.00	SB	534.738	-3.041	0.568	7.534	4.983
40.00	SB	534.725	-3.840	0.682	6.916	5.614
50.00	SB	534.750	-5.870	0.966	5.517	6.702
60.00	SB	534.750	-8.980	1.403	3.943	7.529

Statical angle of inclination is 0.83 degrees to portside

Wind contour with deck cargo

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion
0.1000

Value
0.8993 meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion
0.1000

Value
0.9029 meter

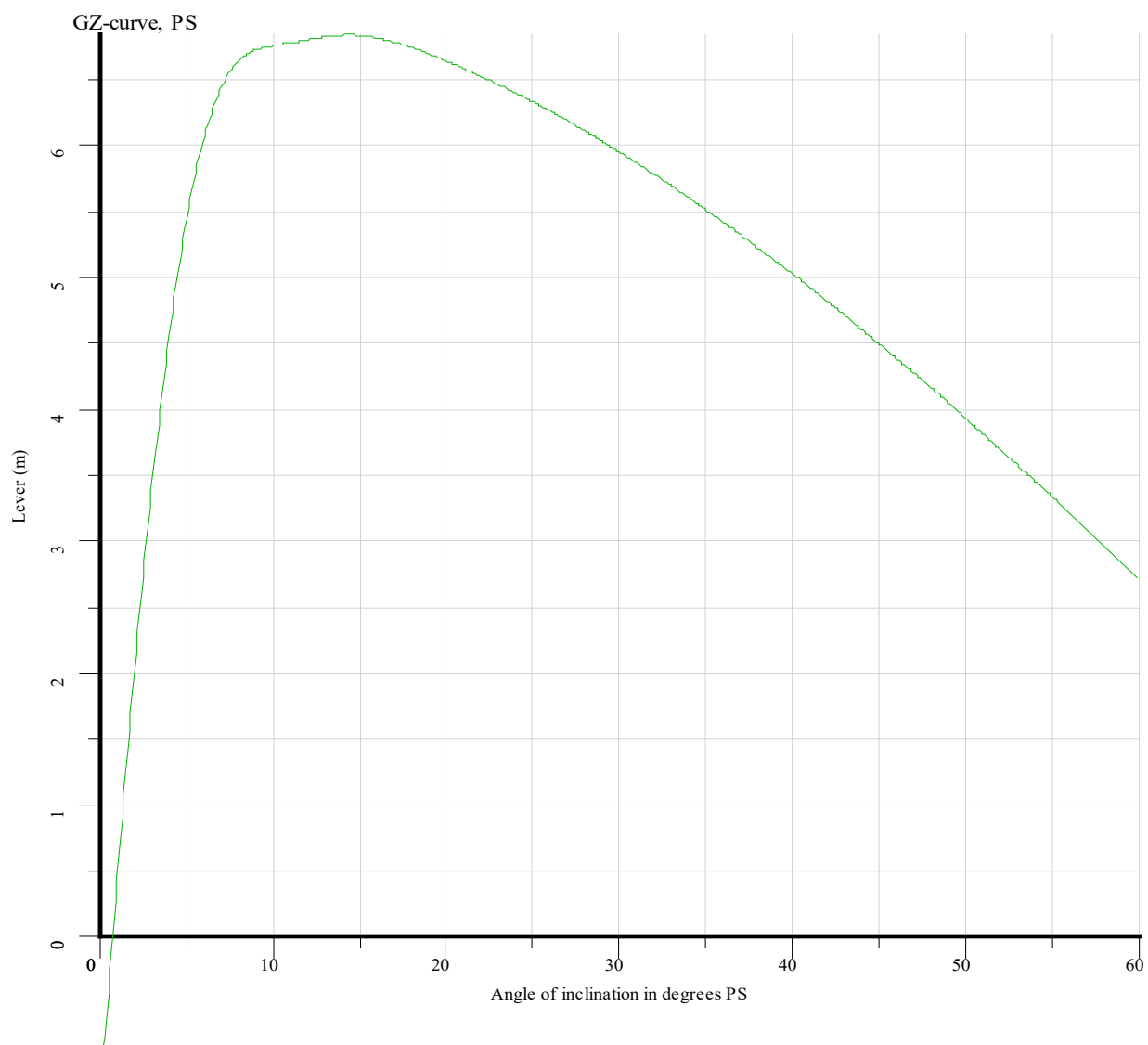
This damage case complies with the stated criteria

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

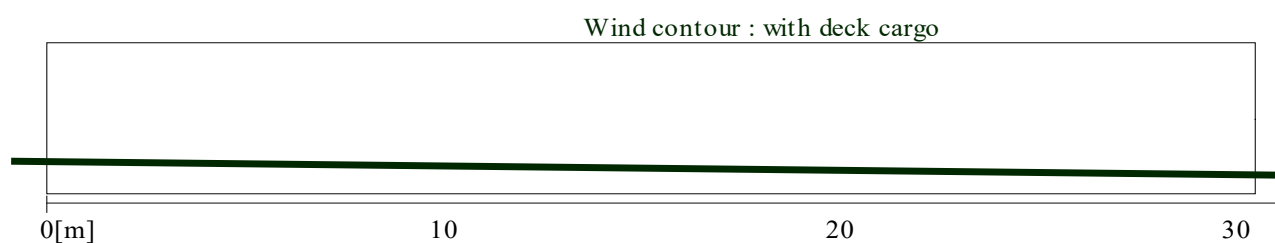
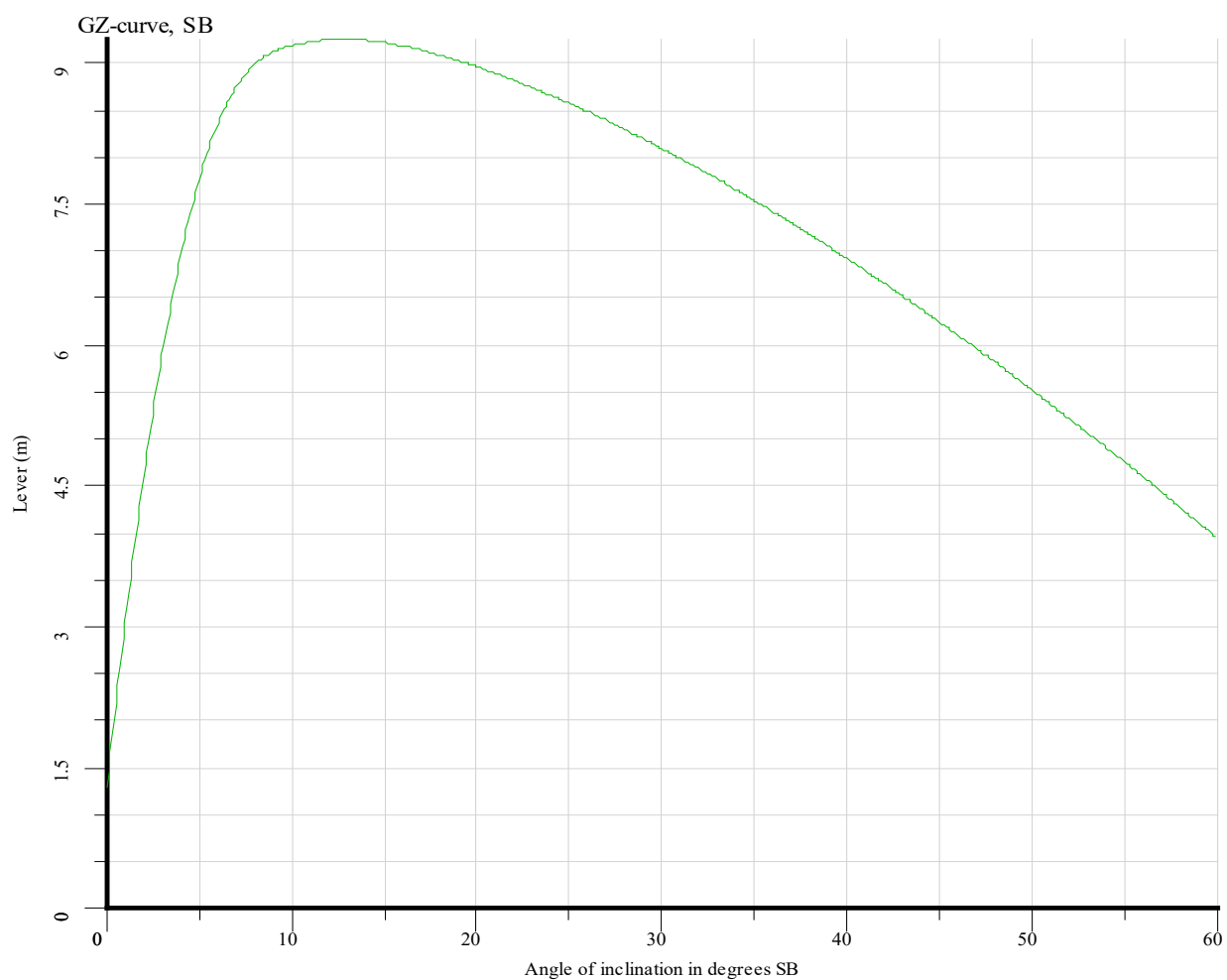


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



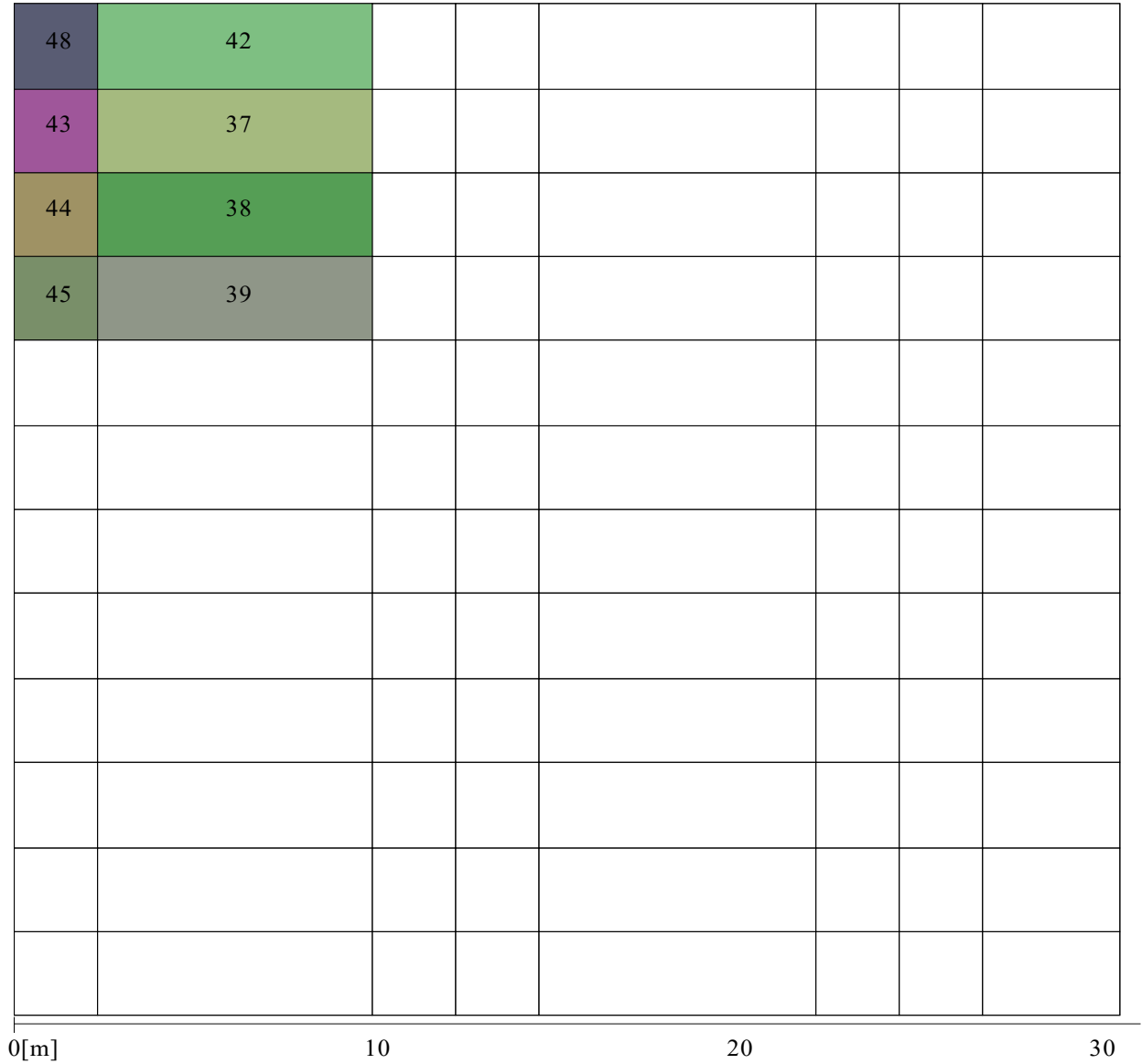
FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Horizontal section at 1.500 m

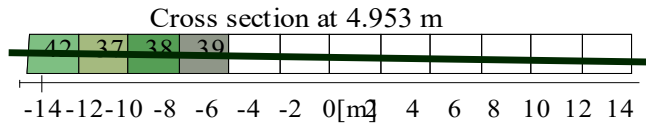


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case AFT SB

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.079 m
Marginline	fore SB	-0.739 m
Marginline	aft PS	-0.658 m
Marginline	fore PS	-0.318 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.079 m
Marginline	fore SB	-0.739 m
Marginline	aft PS	-0.658 m
Marginline	fore PS	-0.318 m

Damaged compartments and intact compartment weights (at 0.83° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (61) A	0.000	1.0000	15.685	1.0000
New compartment (61) A A	0.000	1.0000	16.319	1.0000
New compartment (61) A A A	0.000	1.0000	16.978	1.0000
New compartment (61) A A A A	0.000	1.0000	17.722	1.0000
New compartment (63) A	0.000	1.0000	4.992	1.0000
New compartment (63) A A	0.000	1.0000	5.183	1.0000
New compartment (63) A A A	0.000	1.0000	5.409	1.0000
New compartment (63) A A A A	0.000	1.0000	5.642	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	534.750	-8.980	1.403	-3.943	7.529
50.00 PS	534.750	-5.870	0.966	-5.517	6.702
40.00 PS	534.725	-3.840	0.682	-6.916	5.614
35.00 PS	534.738	-3.041	0.568	-7.534	4.983
30.00 PS	534.738	-2.333	0.468	-8.088	4.301
25.00 PS	534.756	-1.694	0.377	-8.569	3.573
20.00 PS	534.746	-1.105	0.295	-8.959	2.808
15.00 PS	534.749	-0.552	0.217	-9.216	2.013
10.00 PS	534.755	-0.025	0.143	-9.183	1.208
5.00 PS	534.780	0.473	0.080	-7.763	0.445

FLOODABILITY AND DAMAGE STABILITY

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
2.00	PS	564.003	0.633	-0.079	-4.565	0.112
0.00		605.370	0.679	-0.269	-1.288	0.008
0.83	SB	622.424	0.698	-0.347	0.000	0.000
2.00	SB	646.698	0.725	-0.459	1.992	0.022
5.00	SB	701.808	0.720	-0.957	5.435	0.226
10.00	SB	716.001	0.505	-2.003	6.753	0.784
15.00	SB	716.168	0.253	-3.045	6.831	1.378
20.00	SB	716.249	-0.010	-4.138	6.638	1.968
25.00	SB	716.249	-0.292	-5.302	6.331	2.534
30.00	SB	716.250	-0.597	-6.565	5.950	3.070
35.00	SB	716.249	-0.935	-7.961	5.511	3.571
40.00	SB	716.249	-1.316	-9.541	5.024	4.031
50.00	SB	716.249	-2.286	-13.550	3.929	4.814
60.00	SB	716.250	-3.771	-19.694	2.708	5.395

Statical angle of inclination is 0.83 degrees to starboard

Wind contour with deck cargo

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.9029 meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.8993 meter

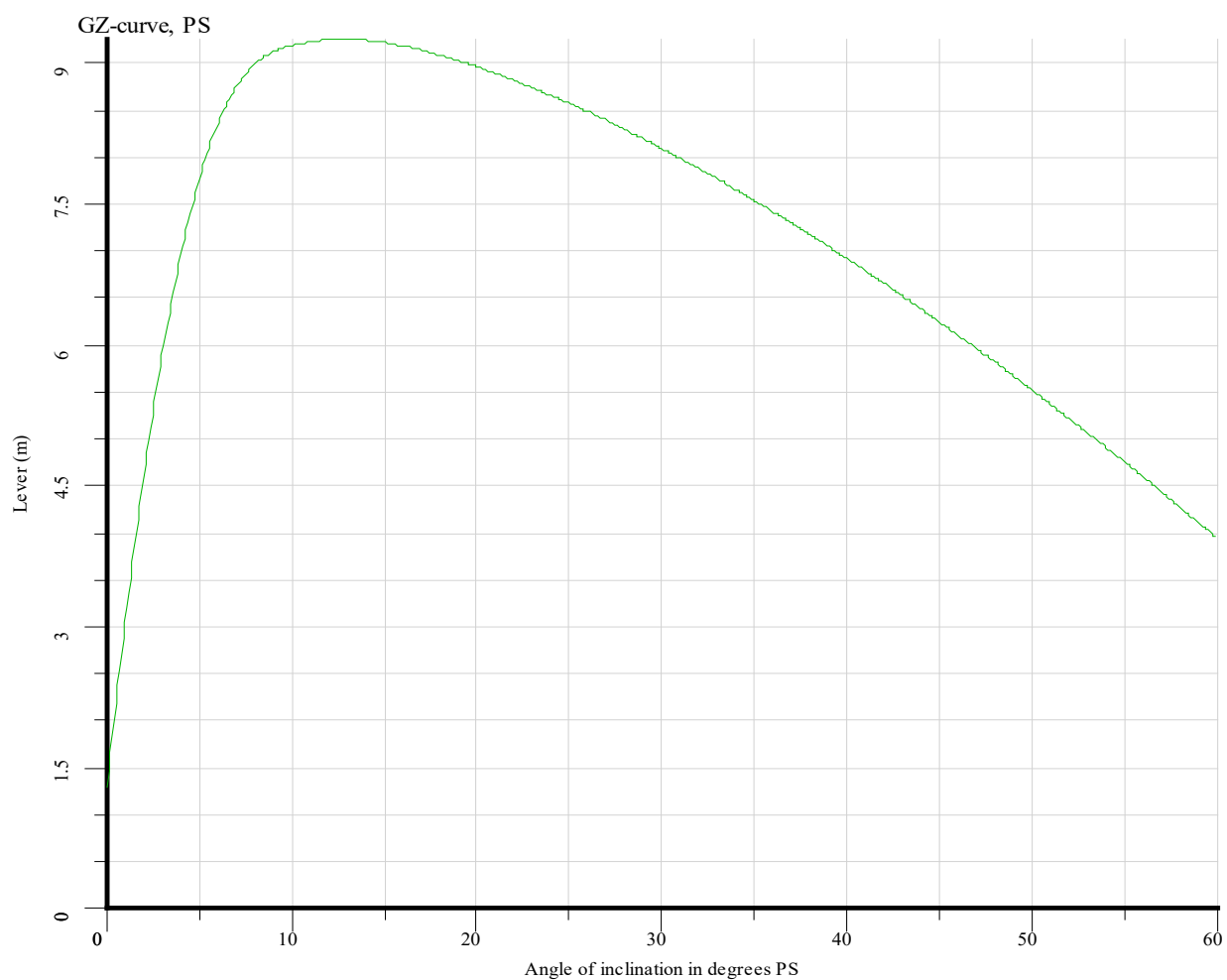
This damage case complies with the stated criteria

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

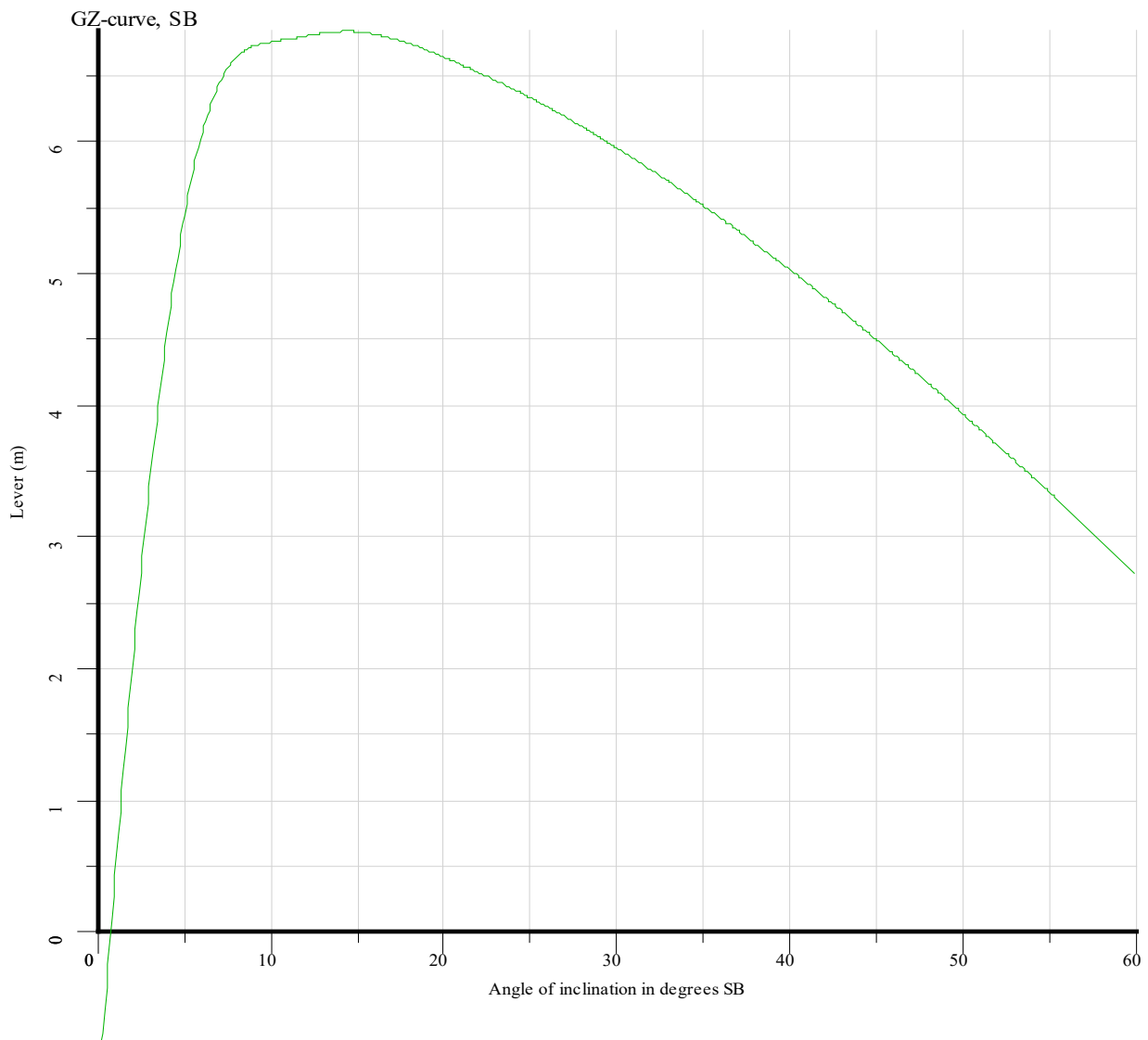


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

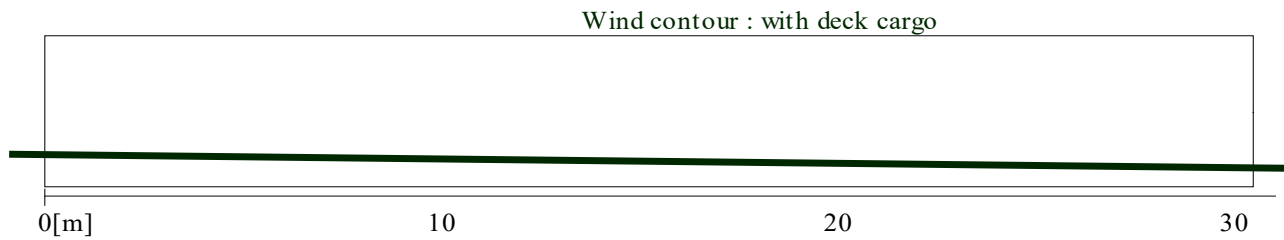


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



pontoon 30.48x29.26x1.98m

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Horizontal section at 1000 m

92	86						
93	87						
94	88						
95	89						

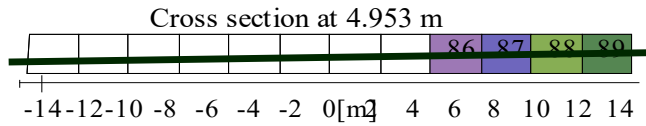
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FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case MID PS

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.122 m
Marginline	fore PS	-0.847 m
Marginline	aft SB	-0.595 m
Marginline	fore SB	-0.320 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.122 m
Marginline	fore PS	-0.847 m
Marginline	aft SB	-0.595 m
Marginline	fore SB	-0.320 m

Damaged compartments and intact compartment weights (at 1.03° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (9)	0.000	1.0000	4.969	1.0000
New compartment (9) A	0.000	1.0000	4.736	1.0000
New compartment (9) A A	0.000	1.0000	4.495	1.0000
New compartment (10)	0.000	1.0000	5.202	1.0000
New compartment (11)	0.000	1.0000	5.075	1.0000
New compartment (11) A	0.000	1.0000	4.842	1.0000
New compartment (11) A A	0.000	1.0000	4.605	1.0000
New compartment (12)	0.000	1.0000	5.318	1.0000
New compartment (13)	0.000	1.0000	17.700	1.0000
New compartment (13) A	0.000	1.0000	16.903	1.0000
New compartment (13) A A	0.000	1.0000	16.124	1.0000
New compartment (14)	0.000	1.0000	18.602	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	758.136	-2.569	-15.907	-2.527	5.091
50.00 PS	758.134	-1.459	-10.945	-3.696	4.547
40.00 PS	758.134	-0.734	-7.706	-4.746	3.808
35.00 PS	758.133	-0.449	-6.431	-5.213	3.374
30.00 PS	758.134	-0.196	-5.302	-5.635	2.900
25.00 PS	758.133	0.032	-4.282	-6.001	2.392

FLOODABILITY AND DAMAGE STABILITY

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case MID PS
 Stage of flooding 100%
 Intact displacement 534.750 ton
 Intact VCG 2.291 m
 Intact LCG 15.472 m
 Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
20.00	PS	758.139	0.242	-3.342	-6.296	1.855
15.00	PS	758.096	0.439	-2.461	-6.479	1.295
10.00	PS	756.520	0.623	-1.614	-6.405	0.733
5.00	PS	732.296	0.770	-0.731	-5.138	0.201
2.00	PS	666.492	0.748	-0.351	-1.620	0.015
1.03	PS	643.098	0.721	-0.279	0.000	0.000
0.00		618.171	0.693	-0.202	1.521	0.012
2.00	SB	569.811	0.639	-0.052	4.660	0.122
5.00	SB	534.815	0.473	0.080	7.763	0.456
10.00	SB	534.752	-0.025	0.143	9.182	1.218
15.00	SB	534.747	-0.552	0.218	9.216	2.024
20.00	SB	534.750	-1.105	0.295	8.959	2.819
25.00	SB	534.756	-1.694	0.378	8.569	3.584
30.00	SB	534.739	-2.333	0.469	8.088	4.312
35.00	SB	534.746	-3.040	0.567	7.534	4.994
40.00	SB	534.753	-3.840	0.679	6.916	5.625
50.00	SB	534.704	-5.871	0.973	5.517	6.713
60.00	SB	534.749	-8.980	1.403	3.943	7.540

Statical angle of inclination is 1.03 degrees to portside

Wind contour with deck cargo

Verification against the stability criteria "Residual freeboard >0.1 m"

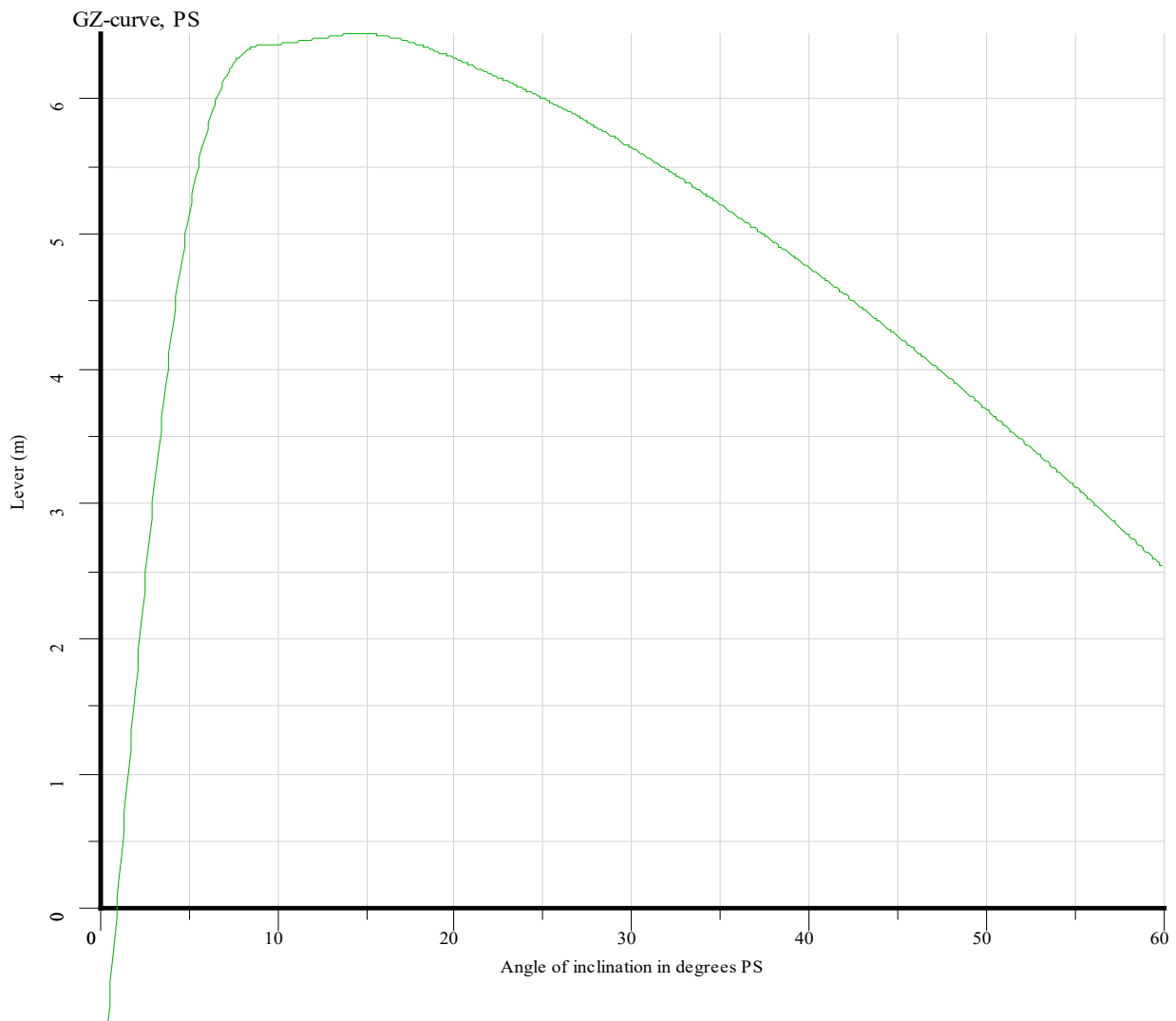
<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8563	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8600	meter
This damage case complies with the stated criteria				

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	MID PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

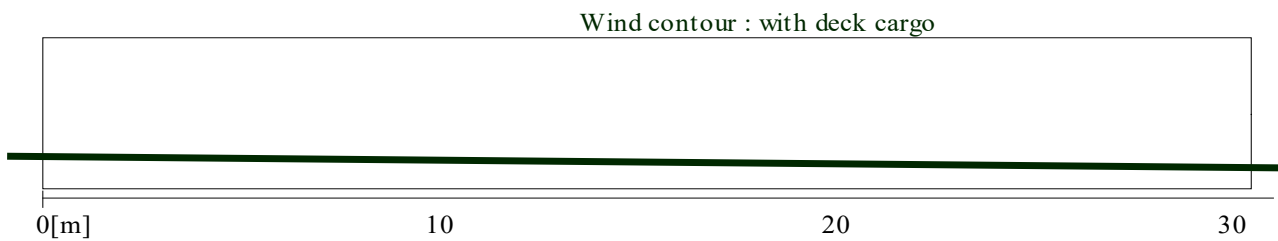
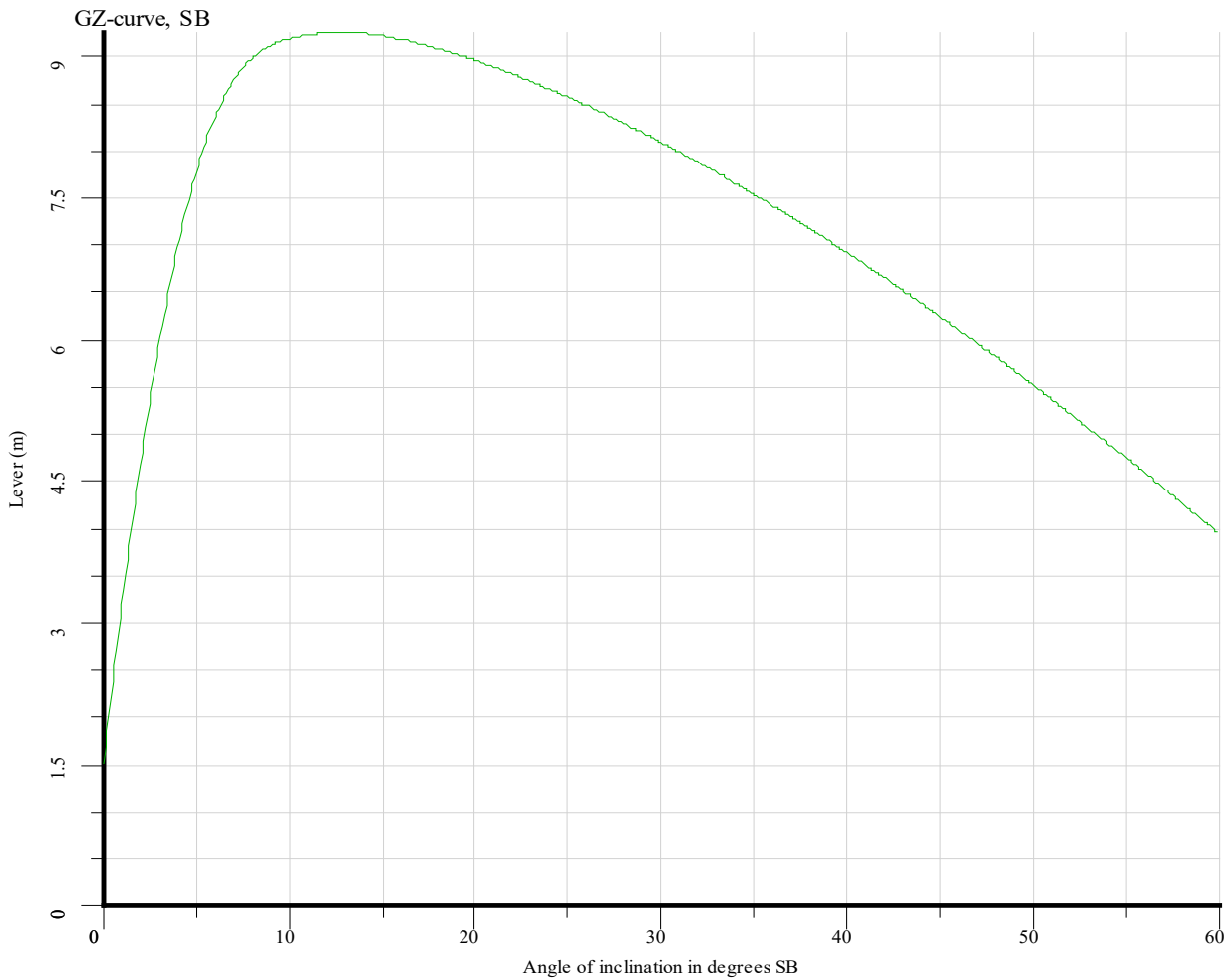


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	MID PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:04

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case MID PS
 Stage of flooding 100%
 Intact displacement 534.750 ton
 Intact VCG 2.291 m
 Intact LCG 15.472 m
 Intact TCG 0.000 m

Horizontal section at 1.500 m

	42	36	30				
	37	31	25				
	38	32	26				
	39	33	27				

0[m]

10

20

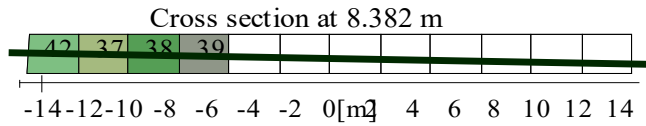
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FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	MID PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case MID SB

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.122 m
Marginline	fore SB	-0.847 m
Marginline	aft PS	-0.595 m
Marginline	fore PS	-0.320 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.122 m
Marginline	fore SB	-0.847 m
Marginline	aft PS	-0.595 m
Marginline	fore PS	-0.320 m

Damaged compartments and intact compartment weights (at 1.03° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (57) A	0.000	1.0000	4.495	1.0000
New compartment (57) A A	0.000	1.0000	4.736	1.0000
New compartment (57) A A A	0.000	1.0000	4.969	1.0000
New compartment (57) A A A A	0.000	1.0000	5.202	1.0000
New compartment (59) A	0.000	1.0000	4.605	1.0000
New compartment (59) A A	0.000	1.0000	4.842	1.0000
New compartment (59) A A A	0.000	1.0000	5.075	1.0000
New compartment (59) A A A A	0.000	1.0000	5.318	1.0000
New compartment (61) A	0.000	1.0000	16.124	1.0000
New compartment (61) A A	0.000	1.0000	16.903	1.0000
New compartment (61) A A A	0.000	1.0000	17.700	1.0000
New compartment (61) A A A A	0.000	1.0000	18.602	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	534.749	-8.980	1.403	-3.943	7.540
50.00 PS	534.704	-5.871	0.973	-5.517	6.713
40.00 PS	534.753	-3.840	0.679	-6.916	5.625
35.00 PS	534.746	-3.040	0.567	-7.534	4.994
30.00 PS	534.739	-2.333	0.469	-8.088	4.312
25.00 PS	534.756	-1.694	0.378	-8.569	3.584

FLOODABILITY AND DAMAGE STABILITY

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case MID SB
 Stage of flooding 100%
 Intact displacement 534.750 ton
 Intact VCG 2.291 m
 Intact LCG 15.472 m
 Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
20.00	PS	534.750	-1.105	0.295	-8.959	2.819
15.00	PS	534.747	-0.552	0.218	-9.216	2.024
10.00	PS	534.752	-0.025	0.143	-9.182	1.219
5.00	PS	534.815	0.473	0.080	-7.763	0.456
2.00	PS	569.811	0.639	-0.052	-4.660	0.122
0.00		618.171	0.693	-0.202	-1.521	0.012
1.03	SB	643.098	0.721	-0.279	0.000	0.000
2.00	SB	666.492	0.748	-0.351	1.620	0.015
5.00	SB	732.296	0.770	-0.731	5.138	0.201
10.00	SB	756.520	0.623	-1.614	6.405	0.733
15.00	SB	758.096	0.439	-2.461	6.479	1.295
20.00	SB	758.139	0.242	-3.342	6.296	1.855
25.00	SB	758.134	0.032	-4.282	6.001	2.392
30.00	SB	758.056	-0.197	-5.297	5.635	2.900
35.00	SB	758.134	-0.449	-6.431	5.213	3.374
40.00	SB	758.134	-0.734	-7.706	4.746	3.808
50.00	SB	758.134	-1.459	-10.945	3.696	4.547
60.00	SB	758.047	-2.571	-15.893	2.527	5.092

Statical angle of inclination is 1.03 degrees to starboard

Wind contour with deck cargo

Verification against the stability criteria "Residual freeboard >0.1 m"

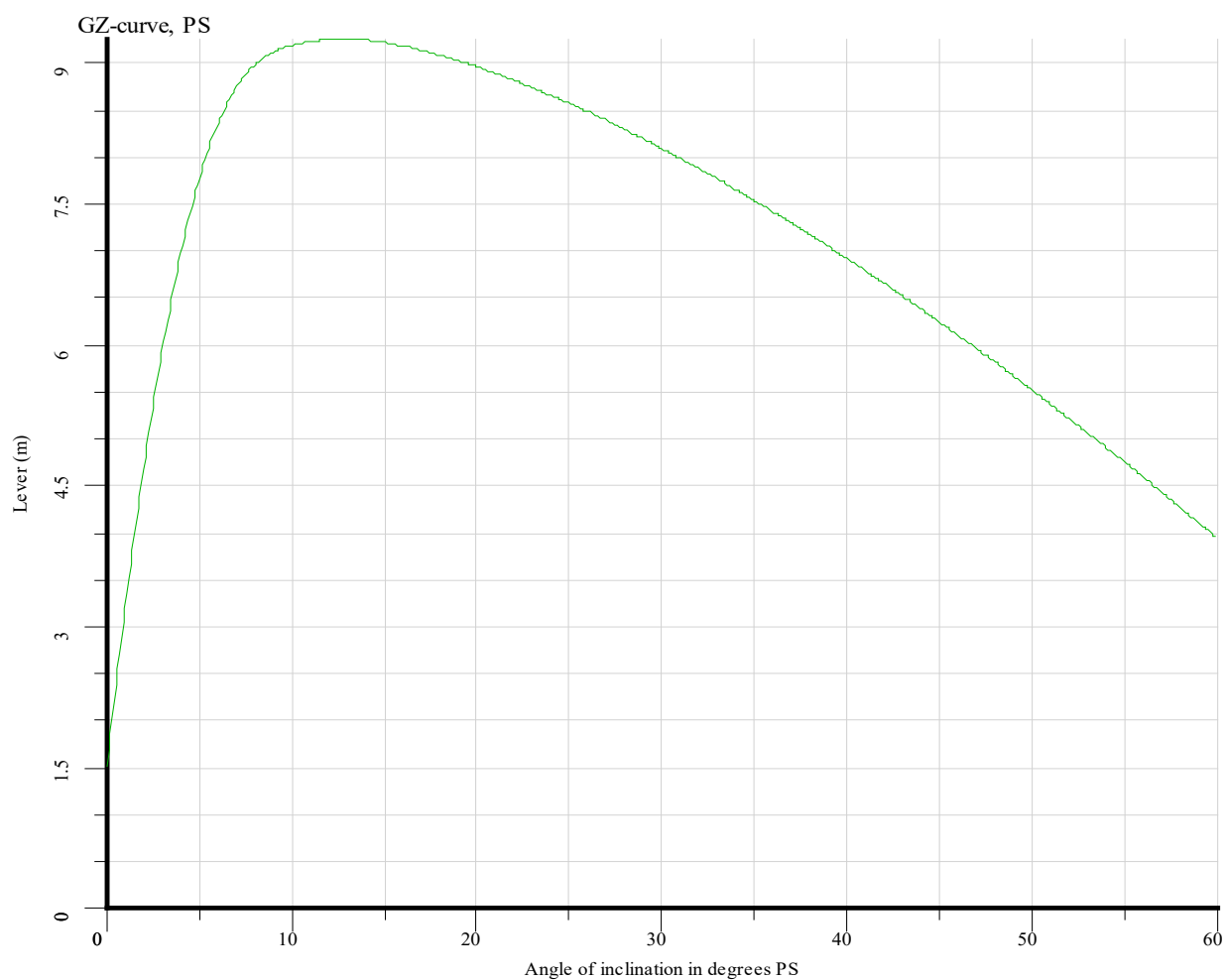
<u>Criteria calculated to PS</u>			
Distance between waterline and deck due to wind- and passenger moment	<u>Criterion</u> 0.1000	<u>Value</u> 0.8600	meter
<u>Criteria calculated to SB</u>			
Distance between waterline and deck due to wind- and passenger moment	<u>Criterion</u> 0.1000	<u>Value</u> 0.8563	meter
This damage case complies with the stated criteria			

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	MID SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

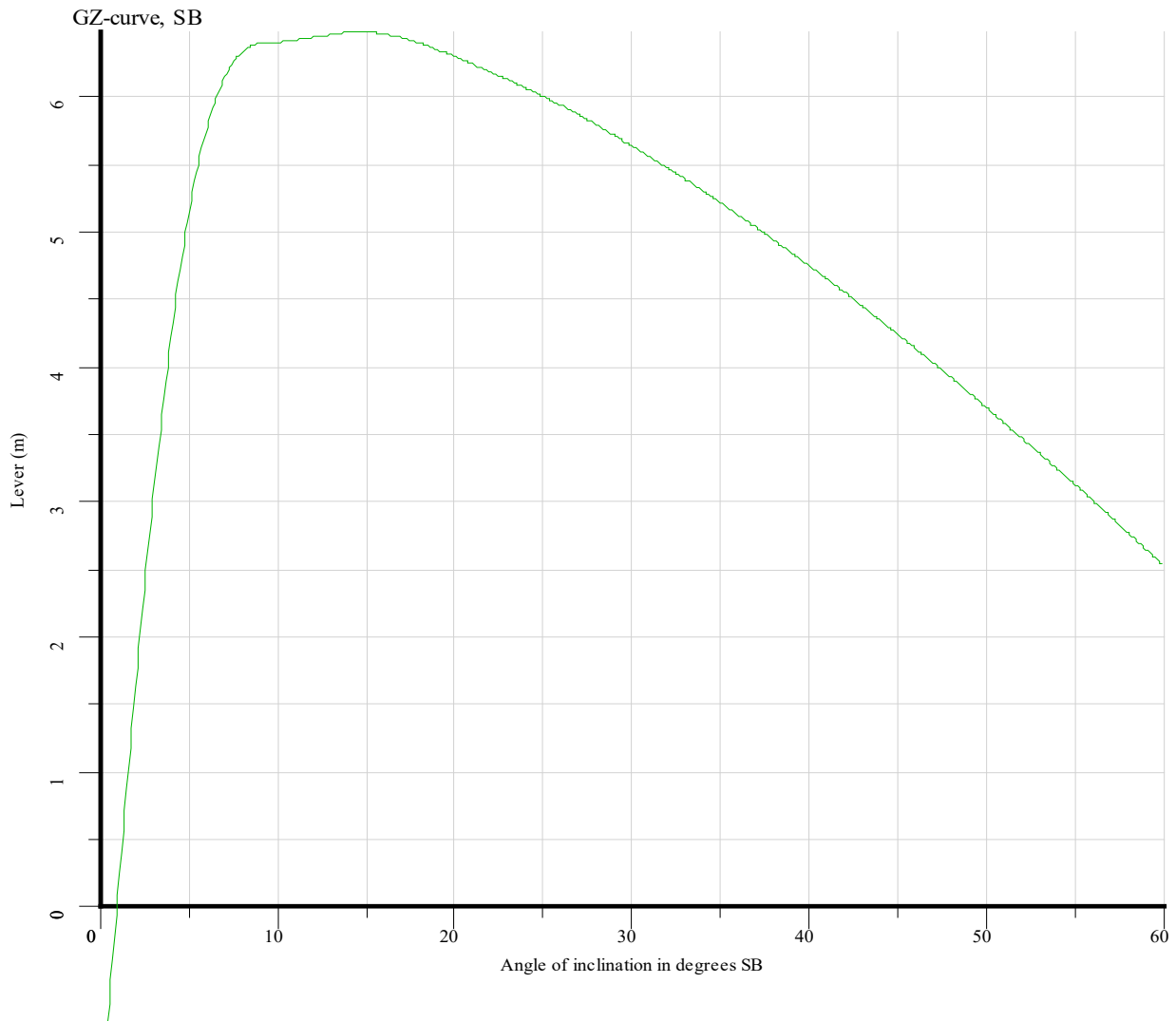


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	MID SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

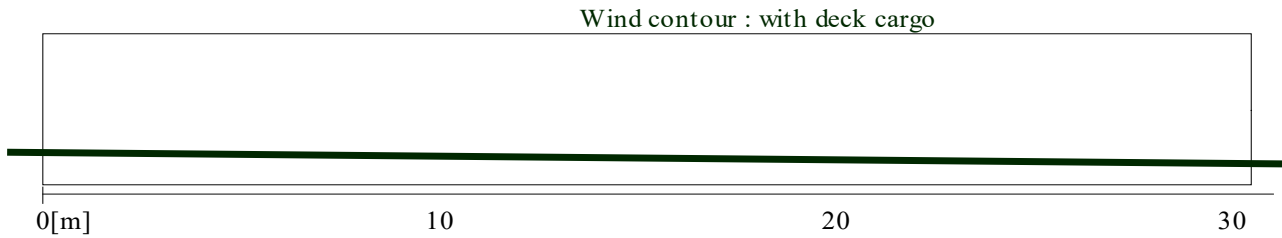


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	MID SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



pontoon 30.48x29.26x1.98m

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

MID SB

100%

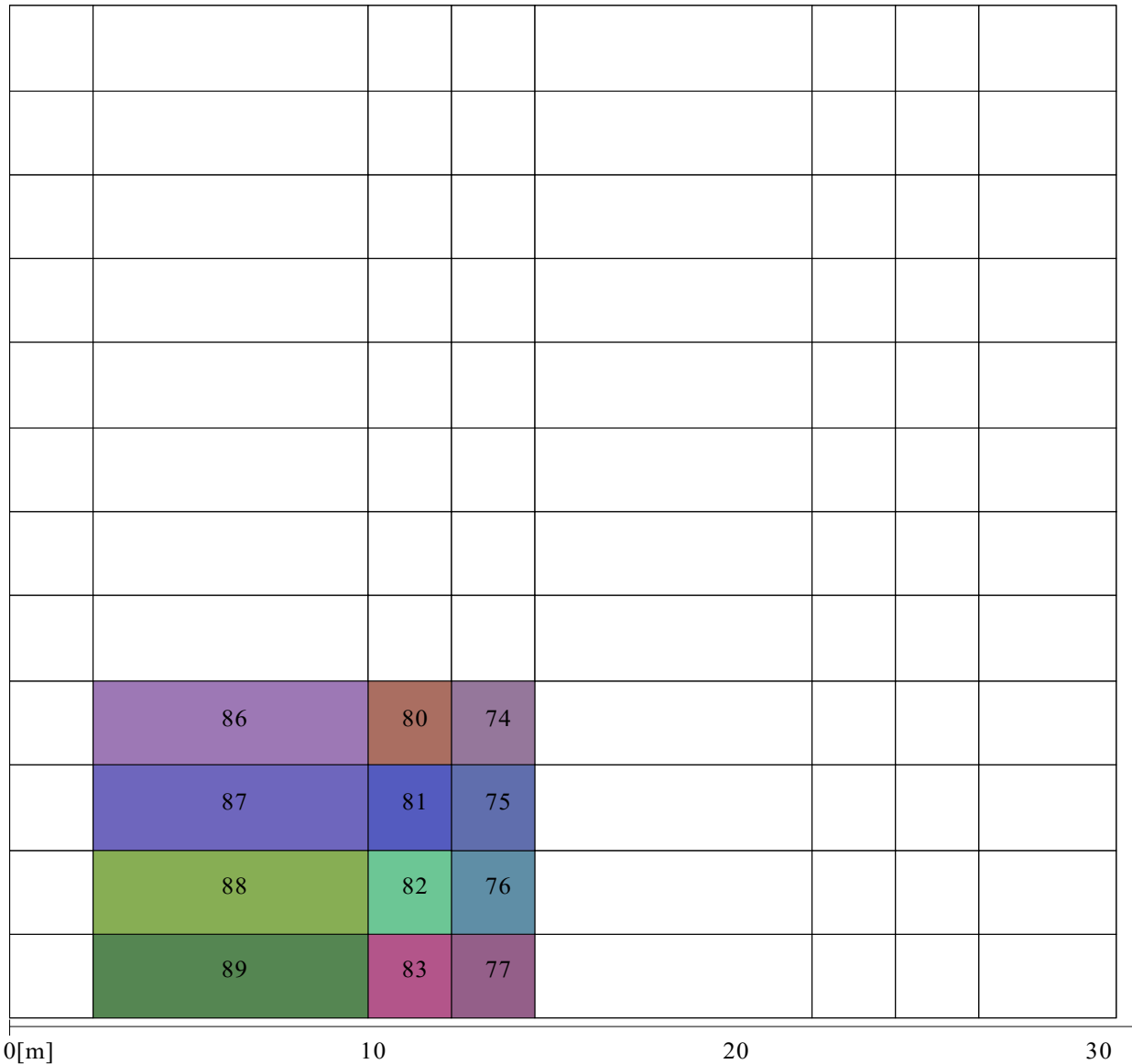
534.750 ton

2.291 m

15.472 m

0.000 m

Horizontal section at 1.500 m

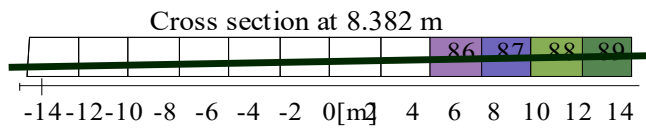


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	MID SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case FORE PS

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.066 m
Marginline	fore SB	-0.711 m
Marginline	aft PS	-0.655 m
Marginline	aft SB	-0.301 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.066 m
Marginline	fore SB	-0.711 m
Marginline	aft PS	-0.655 m
Marginline	aft SB	-0.301 m

Damaged compartments and intact compartment weights (at 0.69° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (1)	0.000	1.0000	8.838	1.0000
New compartment (1) A	0.000	1.0000	8.528	1.0000
New compartment (1) A A	0.000	1.0000	8.260	1.0000
New compartment (2)	0.000	1.0000	9.167	1.0000
New compartment (3)	0.000	1.0000	5.071	1.0000
New compartment (3) A	0.000	1.0000	4.903	1.0000
New compartment (3) A A	0.000	1.0000	4.743	1.0000
New compartment (4)	0.000	1.0000	5.265	1.0000
New compartment (5)	0.000	1.0000	4.906	1.0000
New compartment (5) A	0.000	1.0000	4.743	1.0000
New compartment (5) A A	0.000	1.0000	4.581	1.0000
New compartment (6)	0.000	1.0000	5.089	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	688.421	-4.569	20.564	-2.858	5.649
50.00 PS	688.326	-2.837	14.158	-4.121	5.038
40.00 PS	688.326	-1.705	9.968	-5.252	4.218
35.00 PS	688.285	-1.259	8.323	-5.754	3.737
30.00 PS	688.374	-0.864	6.855	-6.208	3.215
25.00 PS	688.326	-0.507	5.540	-6.601	2.656

FLOODABILITY AND DAMAGE STABILITY

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case FORE PS
 Stage of flooding 100%
 Intact displacement 534.750 ton
 Intact VCG 2.291 m
 Intact LCG 15.472 m
 Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
20.00	PS	688.326	-0.179	4.324	-6.918	2.065
15.00	PS	688.327	0.130	3.183	-7.118	1.451
10.00	PS	688.177	0.423	2.093	-7.045	0.832
5.00	PS	676.555	0.679	1.026	-5.735	0.248
2.00	PS	630.979	0.708	0.528	-2.284	0.028
0.69	PS	608.700	0.683	0.419	0.000	0.000
0.00		596.857	0.669	0.360	1.132	0.006
2.00	SB	562.779	0.631	0.193	4.550	0.107
5.00	SB	535.026	0.473	0.082	7.767	0.440
10.00	SB	534.738	-0.025	0.143	9.182	1.203
15.00	SB	534.756	-0.552	0.217	9.216	2.009
20.00	SB	534.736	-1.105	0.295	8.959	2.803
25.00	SB	534.732	-1.694	0.379	8.569	3.569
30.00	SB	534.761	-2.333	0.467	8.089	4.296
35.00	SB	534.743	-3.041	0.567	7.534	4.978
40.00	SB	534.739	-3.840	0.680	6.916	5.609
50.00	SB	534.764	-5.869	0.963	5.517	6.697
60.00	SB	534.790	-8.979	1.397	3.943	7.525

Statical angle of inclination is 0.69 degrees to portside

Wind contour with deck cargo

Verification against the stability criteria "Residual freeboard >0.1 m"

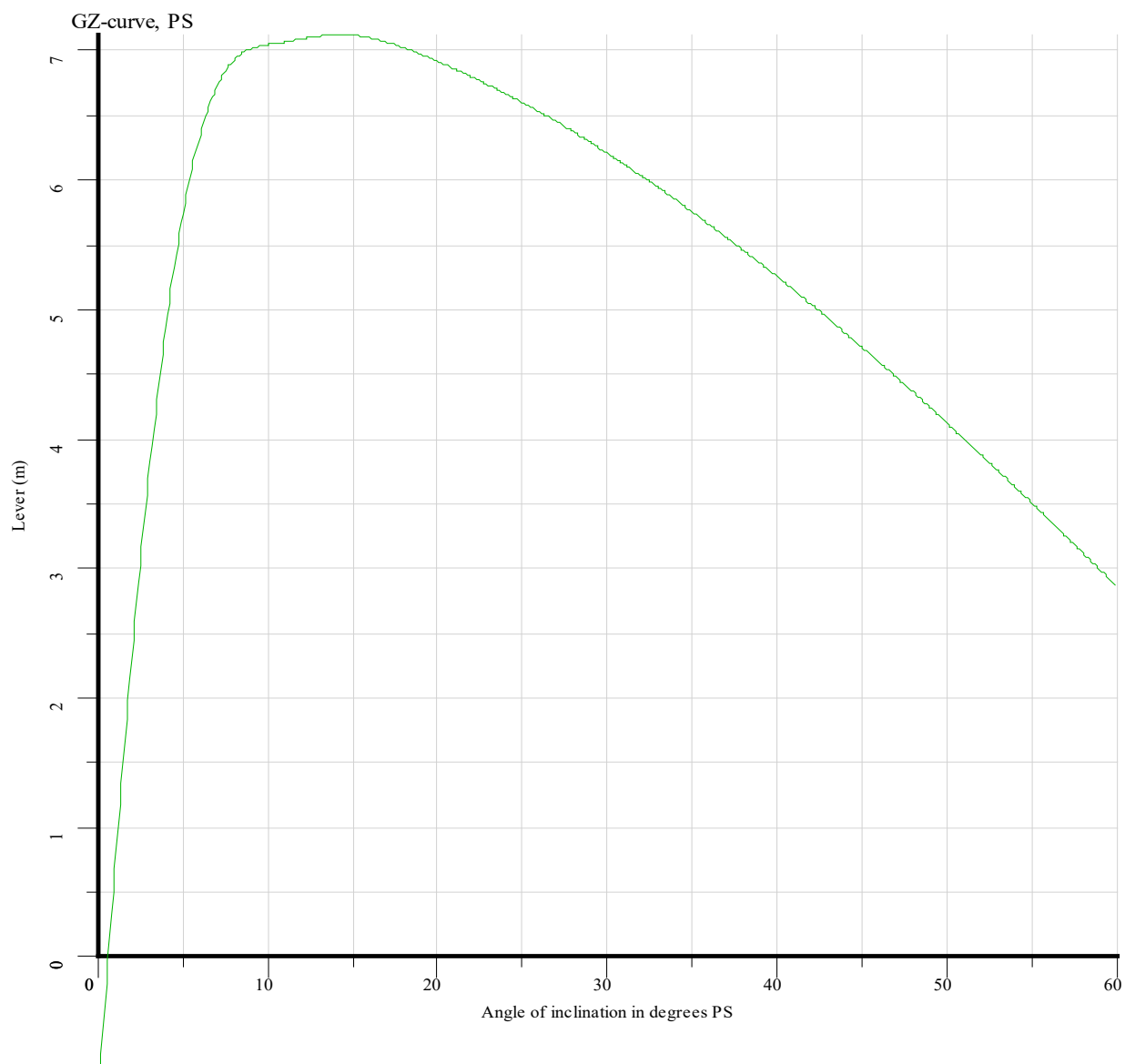
<u>Criteria calculated to PS</u>			
Distance between waterline and deck due to wind- and passenger moment	<u>Criterion</u> 0.1000	<u>Value</u> 0.9125	meter
<u>Criteria calculated to SB</u>			
Distance between waterline and deck due to wind- and passenger moment	<u>Criterion</u> 0.1000	<u>Value</u> 0.9160	meter
This damage case complies with the stated criteria			

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	FORE PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

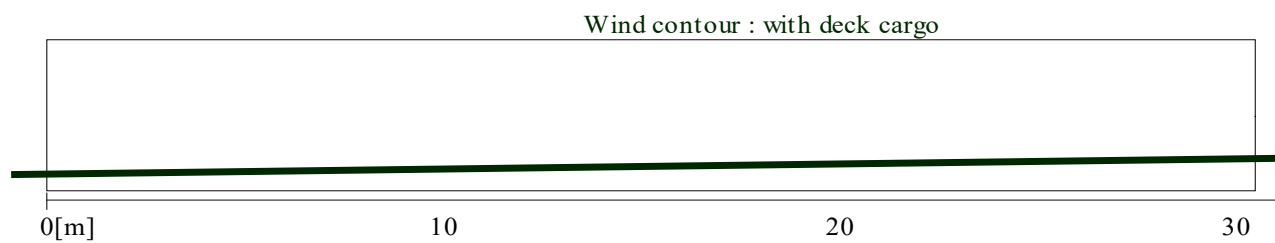
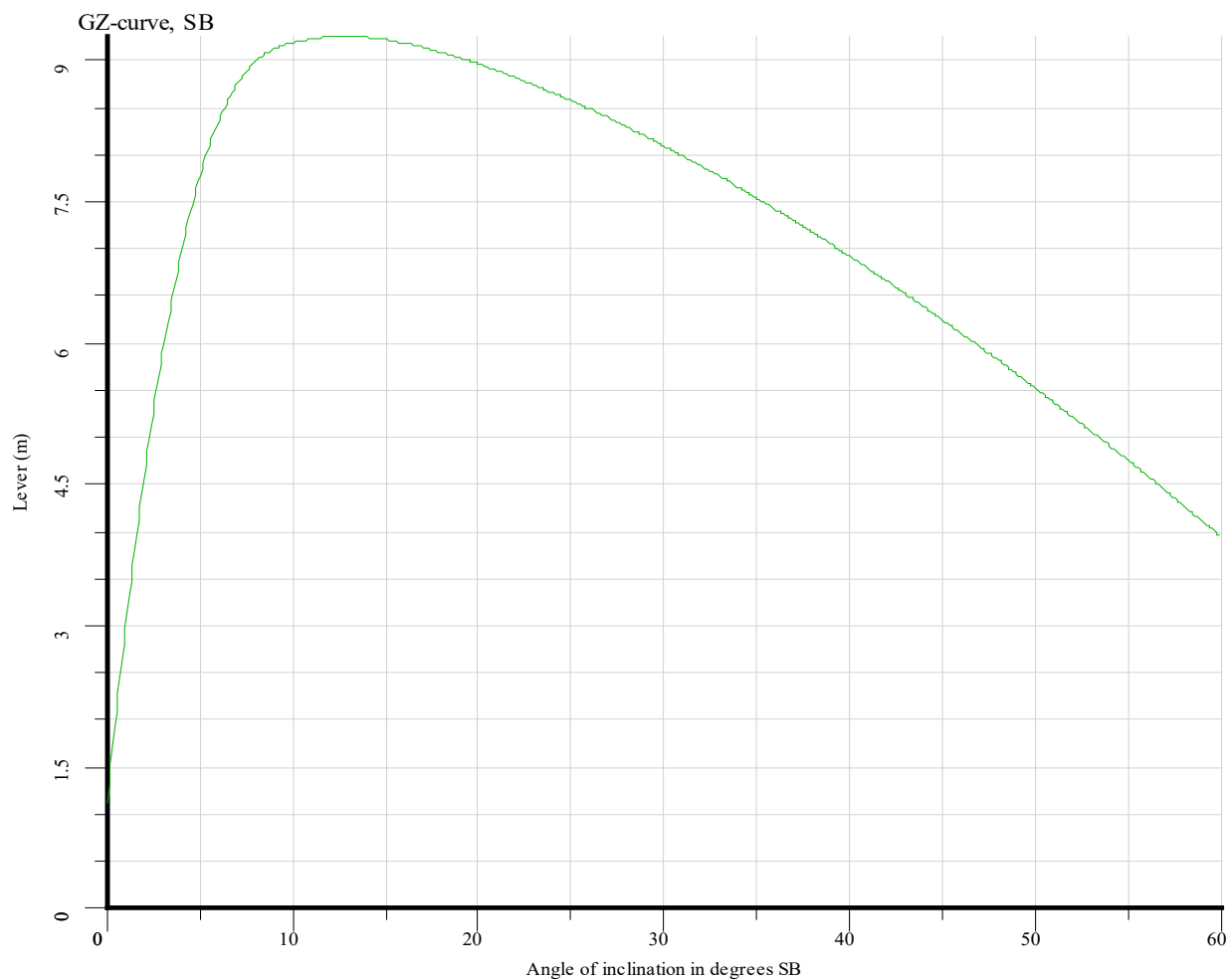


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	FORE PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



pontoon 30.48x29.26x1.98m

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

FORE PS

100%

534.750 ton

2.291 m

15.472 m

0.000 m

					18	12	6
					13	7	1
					14	8	2
					15	9	3

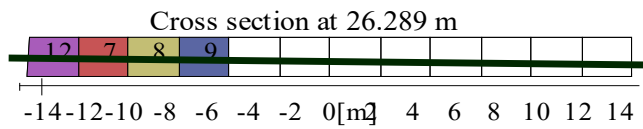
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FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	FORE PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case FORE SB

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.066 m
Marginline	fore PS	-0.711 m
Marginline	aft SB	-0.655 m
Marginline	aft PS	-0.301 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.066 m
Marginline	fore PS	-0.711 m
Marginline	aft SB	-0.655 m
Marginline	aft PS	-0.301 m

Damaged compartments and intact compartment weights (at 0.69° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (49) A	0.000	1.0000	8.260	1.0000
New compartment (49) A A	0.000	1.0000	8.528	1.0000
New compartment (49) A A A	0.000	1.0000	8.838	1.0000
New compartment (49) A A A A	0.000	1.0000	9.167	1.0000
New compartment (51) A	0.000	1.0000	4.743	1.0000
New compartment (51) A A	0.000	1.0000	4.903	1.0000
New compartment (51) A A A	0.000	1.0000	5.071	1.0000
New compartment (51) A A A A	0.000	1.0000	5.265	1.0000
New compartment (53) A	0.000	1.0000	4.581	1.0000
New compartment (53) A A	0.000	1.0000	4.743	1.0000
New compartment (53) A A A	0.000	1.0000	4.906	1.0000
New compartment (53) A A A A	0.000	1.0000	5.089	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	534.790	-8.979	1.397	-3.943	7.525
50.00 PS	534.764	-5.869	0.963	-5.517	6.697
40.00 PS	534.739	-3.840	0.680	-6.916	5.609
35.00 PS	534.743	-3.041	0.567	-7.534	4.978
30.00 PS	534.761	-2.333	0.467	-8.089	4.296
25.00 PS	534.732	-1.694	0.379	-8.569	3.569

FLOODABILITY AND DAMAGE STABILITY

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case FORE SB
 Stage of flooding 100%
 Intact displacement 534.750 ton
 Intact VCG 2.291 m
 Intact LCG 15.472 m
 Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
20.00	PS	534.736	-1.105	0.295	-8.959	2.803
15.00	PS	534.756	-0.552	0.217	-9.216	2.009
10.00	PS	534.738	-0.025	0.143	-9.182	1.203
5.00	PS	535.026	0.473	0.082	-7.767	0.440
2.00	PS	562.779	0.631	0.193	-4.550	0.107
0.00		596.857	0.669	0.360	-1.132	0.006
0.69	SB	608.700	0.683	0.419	0.000	0.000
2.00	SB	630.980	0.708	0.528	2.284	0.028
5.00	SB	676.555	0.679	1.026	5.735	0.248
10.00	SB	688.177	0.423	2.093	7.045	0.832
15.00	SB	688.326	0.130	3.183	7.118	1.451
20.00	SB	688.368	-0.179	4.322	6.919	2.065
25.00	SB	688.326	-0.507	5.540	6.601	2.656
30.00	SB	688.324	-0.864	6.858	6.208	3.215
35.00	SB	688.325	-1.259	8.319	5.755	3.737
40.00	SB	688.327	-1.705	9.968	5.252	4.218
50.00	SB	688.325	-2.837	14.158	4.121	5.038
60.00	SB	688.326	-4.572	20.576	2.857	5.649

Statical angle of inclination is 0.69 degrees to starboard

Wind contour with deck cargo

Verification against the stability criteria "Residual freeboard >0.1 m"

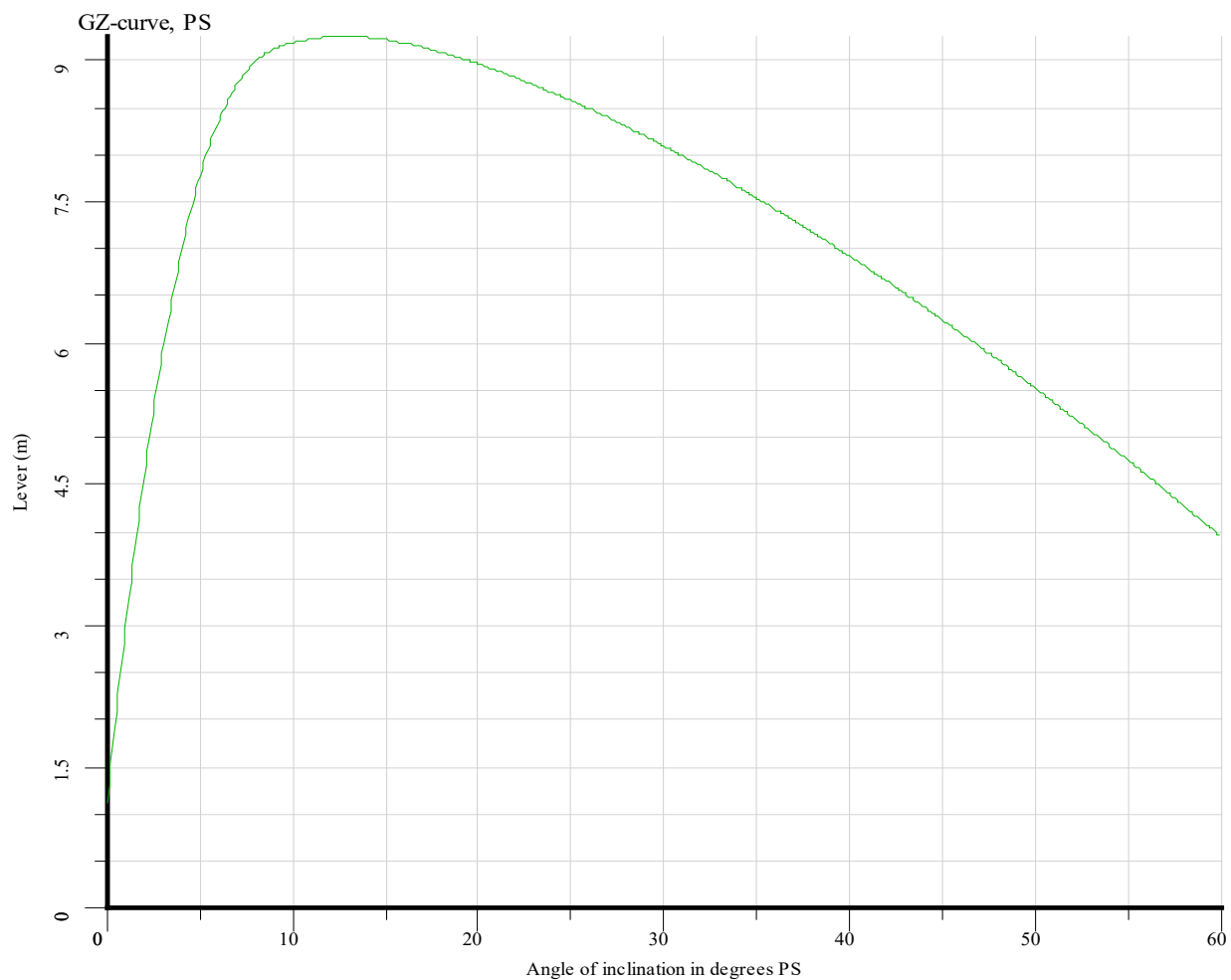
<u>Criteria calculated to PS</u>			
Distance between waterline and deck due to wind- and passenger moment	Criterion 0.1000	Value 0.9160	meter
<u>Criteria calculated to SB</u>			
Distance between waterline and deck due to wind- and passenger moment	Criterion 0.1000	Value 0.9125	meter
This damage case complies with the stated criteria			

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	FORE SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

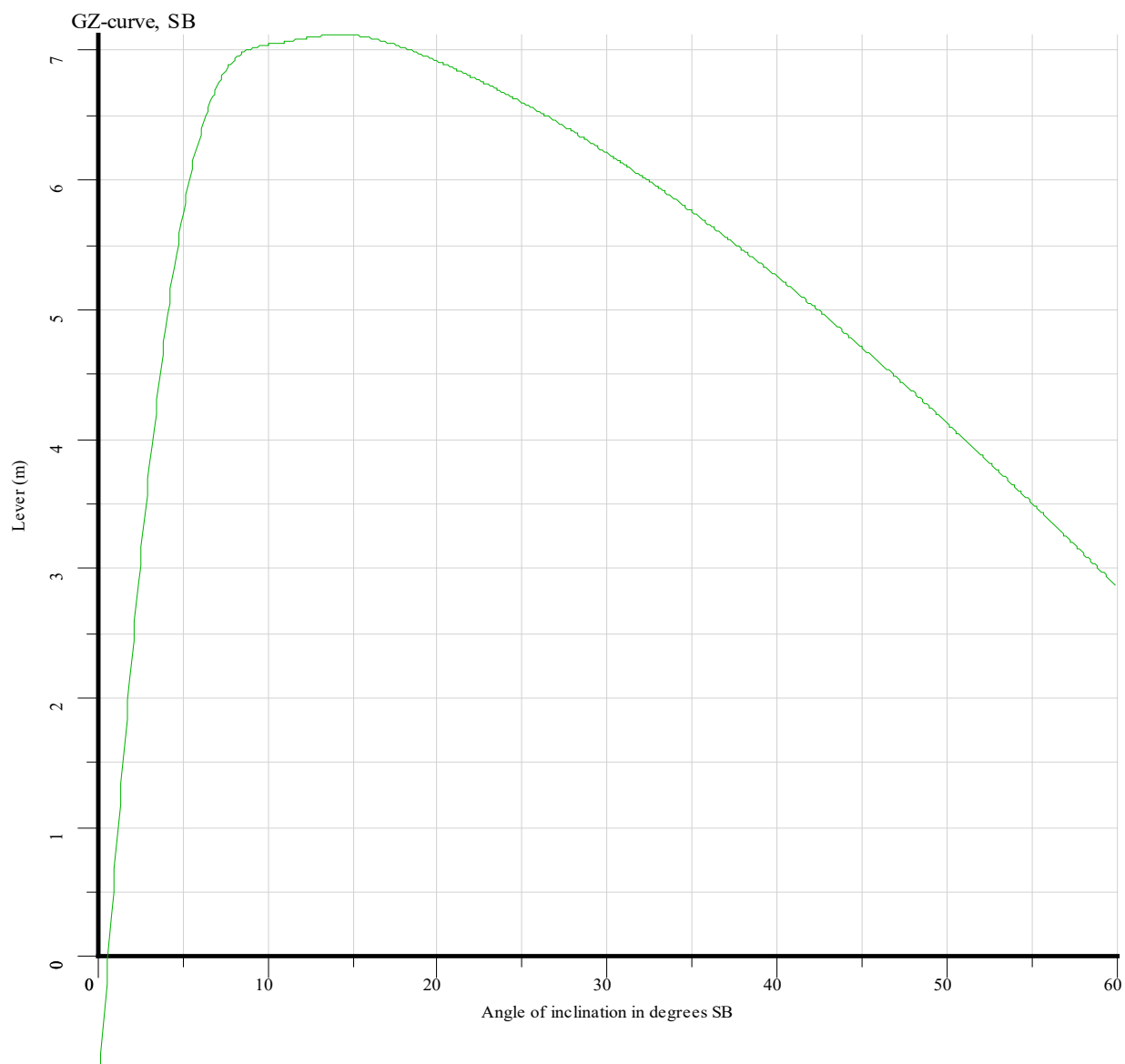


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	FORE SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

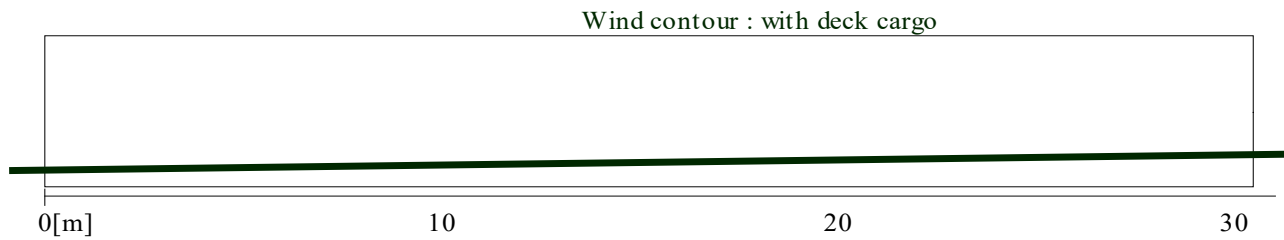


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	FORE SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



pontoon 30.48x29.26x1.98m

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	FORE SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Horizontal Section at 1500 m							
					62	56	50
					63	57	51
					64	58	52
					65	59	53

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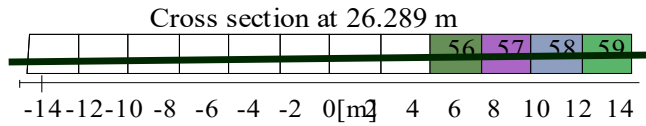
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FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Damage case	FORE SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case AFT PS

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft SB	-0.841 m
Marginline	aft PS	-0.766 m
Marginline	fore SB	-0.585 m
Marginline	fore PS	-0.510 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft SB	-0.841 m
Marginline	aft PS	-0.766 m
Marginline	fore SB	-0.585 m
Marginline	fore PS	-0.510 m

Damaged compartments and intact compartment weights (at 0.15° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (13)	0.000	1.0000	12.744	1.0000
New compartment (13) A	0.000	1.0000	12.876	1.0000
New compartment (13) A A	0.000	1.0000	13.005	1.0000
New compartment (14)	0.000	1.0000	12.582	1.0000
New compartment (15)	0.000	1.0000	4.040	1.0000
New compartment (15) A	0.000	1.0000	4.083	1.0000
New compartment (15) A A	0.000	1.0000	4.122	1.0000
New compartment (16)	0.000	1.0000	3.989	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	716.250	-3.771	-19.695	-3.471	6.708
50.00 PS	716.254	-2.286	-13.551	-4.910	5.974
40.00 PS	716.249	-1.316	-9.541	-6.193	5.003
35.00 PS	716.254	-0.935	-7.963	-6.761	4.437
30.00 PS	716.249	-0.597	-6.565	-7.271	3.825
25.00 PS	716.249	-0.292	-5.302	-7.713	3.170
20.00 PS	716.251	-0.010	-4.138	-8.071	2.481
15.00 PS	716.174	0.253	-3.045	-8.304	1.765
10.00 PS	716.000	0.505	-2.003	-8.255	1.041
5.00 PS	701.808	0.720	-0.957	-6.954	0.351

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case AFT PS
Stage of flooding 100%
Intact displacement 534.750 ton
Intact VCG 2.291 m
Intact LCG 15.472 m
Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
2.00	PS	646.698	0.725	-0.459	-3.516	0.067
0.00		605.370	0.679	-0.269	-0.237	0.000
0.15	SB	602.333	0.676	-0.255	0.000	0.000
2.00	SB	564.003	0.633	-0.079	3.041	0.051
5.00	SB	534.780	0.473	0.080	6.243	0.304
10.00	SB	534.755	-0.025	0.143	7.681	0.935
15.00	SB	534.749	-0.552	0.217	7.743	1.610
20.00	SB	534.746	-1.105	0.295	7.526	2.278
25.00	SB	534.756	-1.694	0.377	7.187	2.921
30.00	SB	534.738	-2.333	0.468	6.768	3.530
35.00	SB	534.738	-3.041	0.568	6.285	4.100
40.00	SB	534.725	-3.840	0.682	5.748	4.625
50.00	SB	534.750	-5.870	0.966	4.536	5.525
60.00	SB	534.750	-8.980	1.403	3.181	6.200

Statical angle of inclination is 0.15 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 815.525 tonm

Verification against the stability criteria "Residual freeboard >0.1 m"

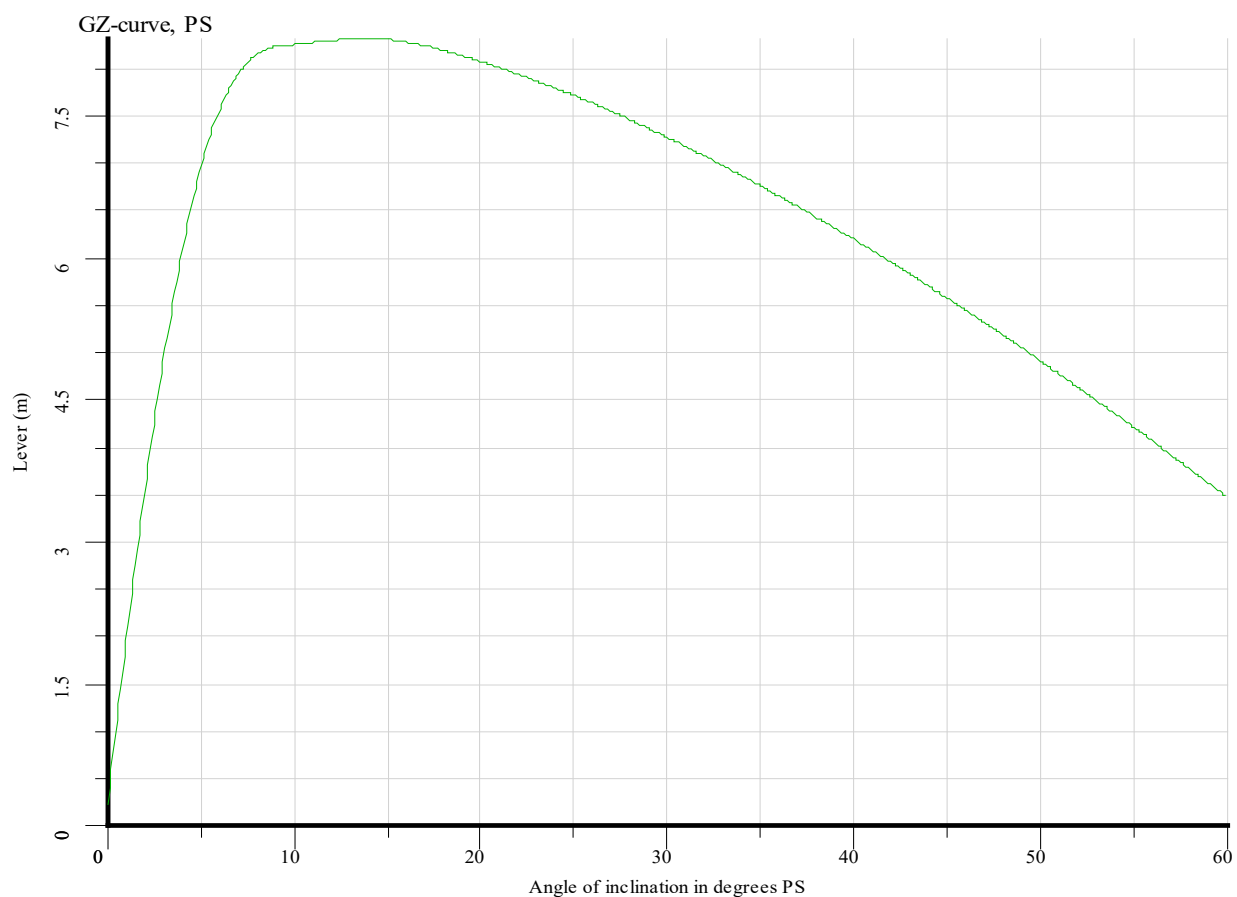
<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.1402	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.1381	meter
This damage case complies with the stated criteria				

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	AFT PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

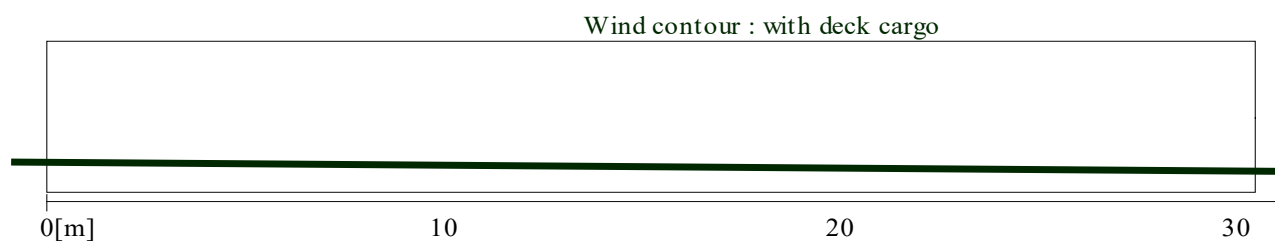
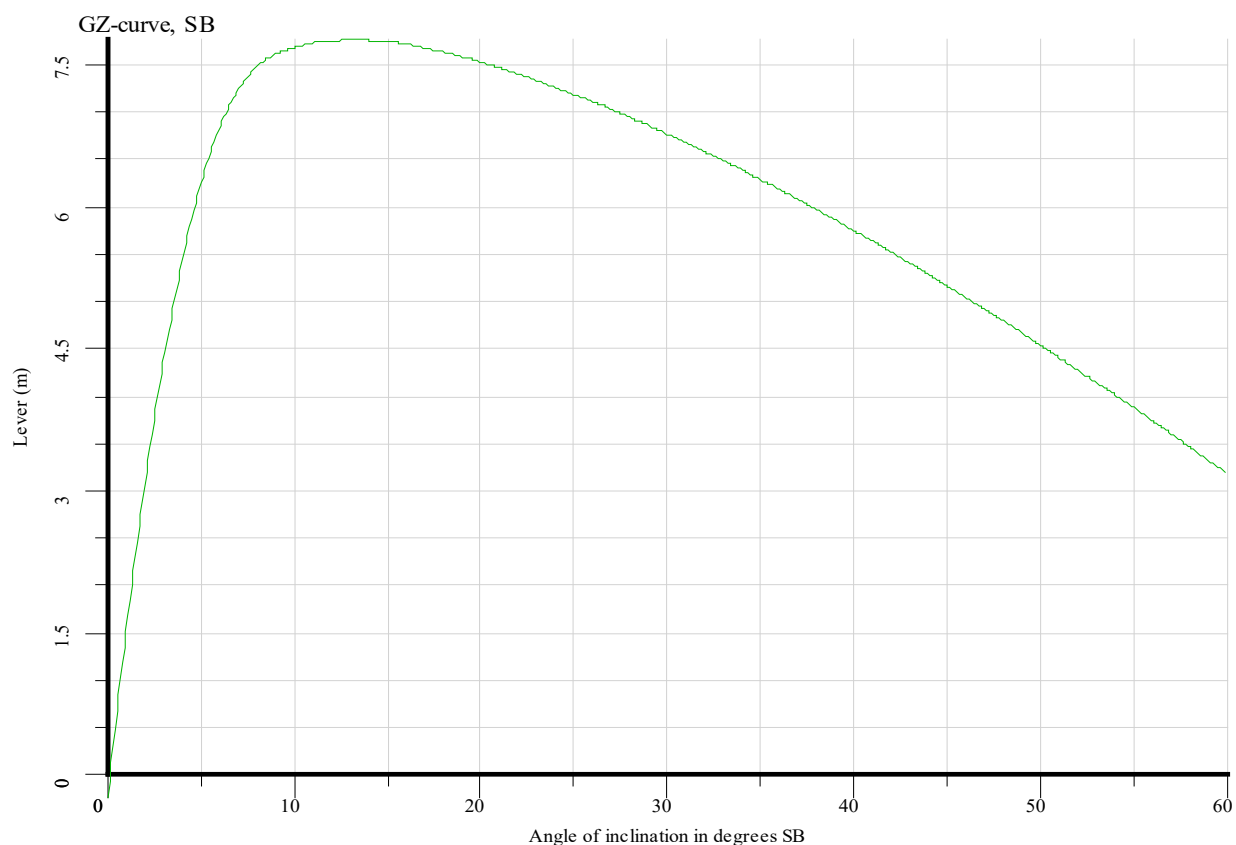


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	AFT PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



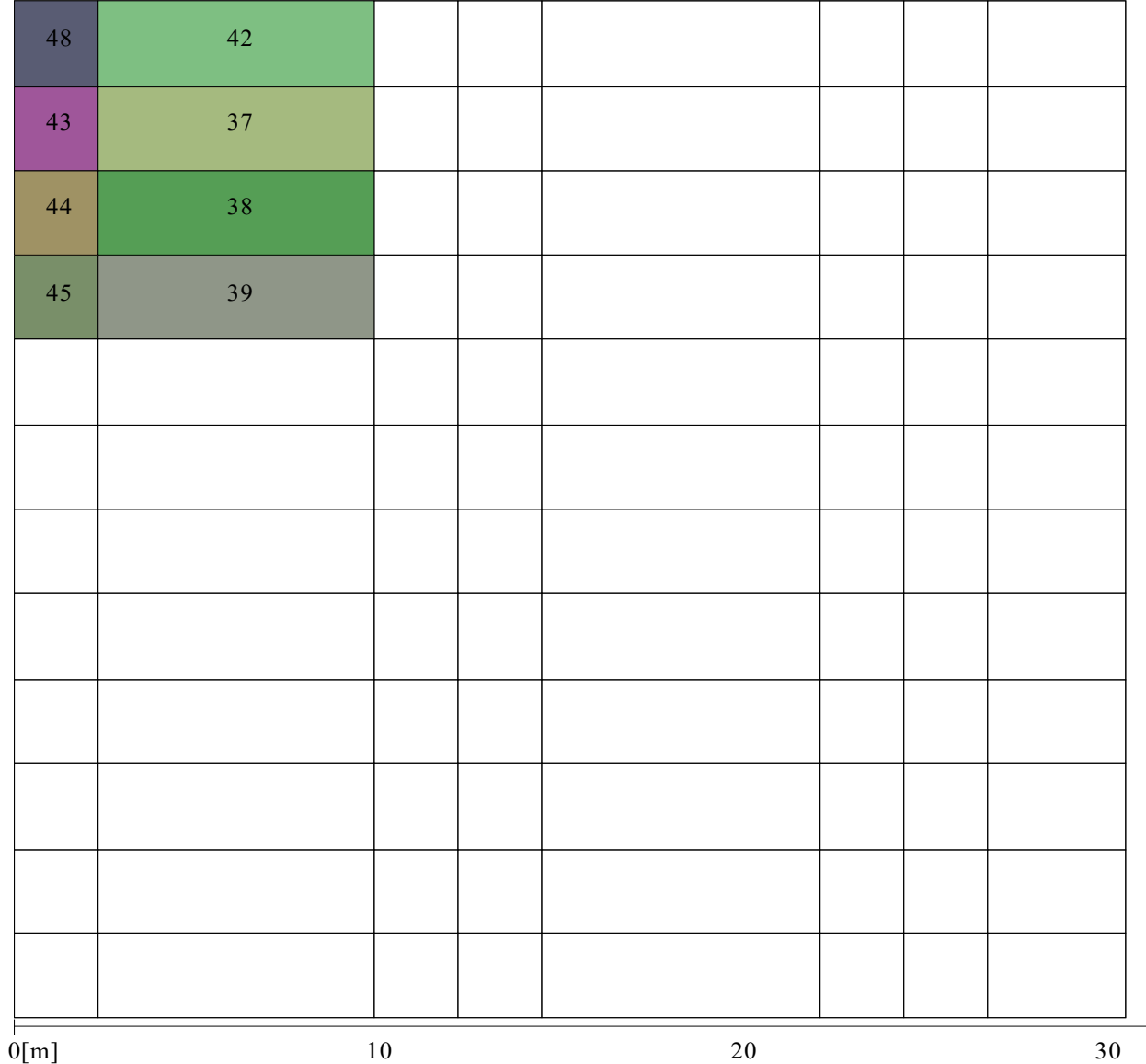
FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	AFT PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Horizontal section at 1.500 m

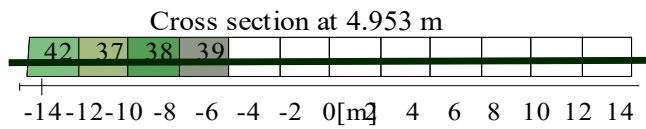


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	AFT PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case AFT SB

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.371 m
Marginline	fore SB	-0.945 m
Marginline	aft PS	-0.493 m
Marginline	fore PS	-0.067 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.371 m
Marginline	fore SB	-0.945 m
Marginline	aft PS	-0.493 m
Marginline	fore PS	-0.067 m

Damaged compartments and intact compartment weights (at 1.72° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (61) A	0.000	1.0000	18.192	1.0000
New compartment (61) A A	0.000	1.0000	19.469	1.0000
New compartment (61) A A A	0.000	1.0000	20.767	1.0000
New compartment (61) A A A A	0.000	1.0000	22.096	1.0000
New compartment (63) A	0.000	1.0000	5.819	1.0000
New compartment (63) A A	0.000	1.0000	6.203	1.0000
New compartment (63) A A A	0.000	1.0000	6.614	1.0000
New compartment (63) A A A A	0.000	1.0000	7.019	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	534.750	-8.980	1.403	-4.706	8.883
50.00 PS	534.750	-5.870	0.966	-6.497	7.902
40.00 PS	534.725	-3.840	0.682	-8.084	6.627
35.00 PS	534.738	-3.041	0.568	-8.783	5.890
30.00 PS	534.738	-2.333	0.468	-9.409	5.096
25.00 PS	534.756	-1.694	0.377	-9.951	4.250
20.00 PS	534.746	-1.105	0.295	-10.392	3.362
15.00 PS	534.749	-0.552	0.217	-10.689	2.441
10.00 PS	534.755	-0.025	0.143	-10.684	1.505
5.00 PS	534.780	0.473	0.080	-9.282	0.610

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case AFT SB
Stage of flooding 100%
Intact displacement 534.750 ton
Intact VCG 2.291 m
Intact LCG 15.472 m
Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
2.00	PS	564.003	0.633	-0.079	-6.089	0.198
0.00		605.370	0.679	-0.269	-2.813	0.041
1.72	SB	640.895	0.719	-0.432	0.000	0.000
2.00	SB	646.698	0.725	-0.459	0.467	0.001
5.00	SB	701.808	0.720	-0.957	3.915	0.126
10.00	SB	716.001	0.505	-2.003	5.251	0.552
15.00	SB	716.168	0.253	-3.045	5.358	1.016
20.00	SB	716.249	-0.010	-4.138	5.205	1.479
25.00	SB	716.249	-0.292	-5.302	4.949	1.922
30.00	SB	716.250	-0.597	-6.565	4.629	2.340
35.00	SB	716.249	-0.935	-7.961	4.262	2.729
40.00	SB	716.249	-1.316	-9.541	3.856	3.083
50.00	SB	716.249	-2.286	-13.550	2.949	3.679
60.00	SB	716.250	-3.771	-19.694	1.946	4.107

Statical angle of inclination is 1.72 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 815.525 tonm

Verification against the stability criteria "Residual freeboard >0.1 m"

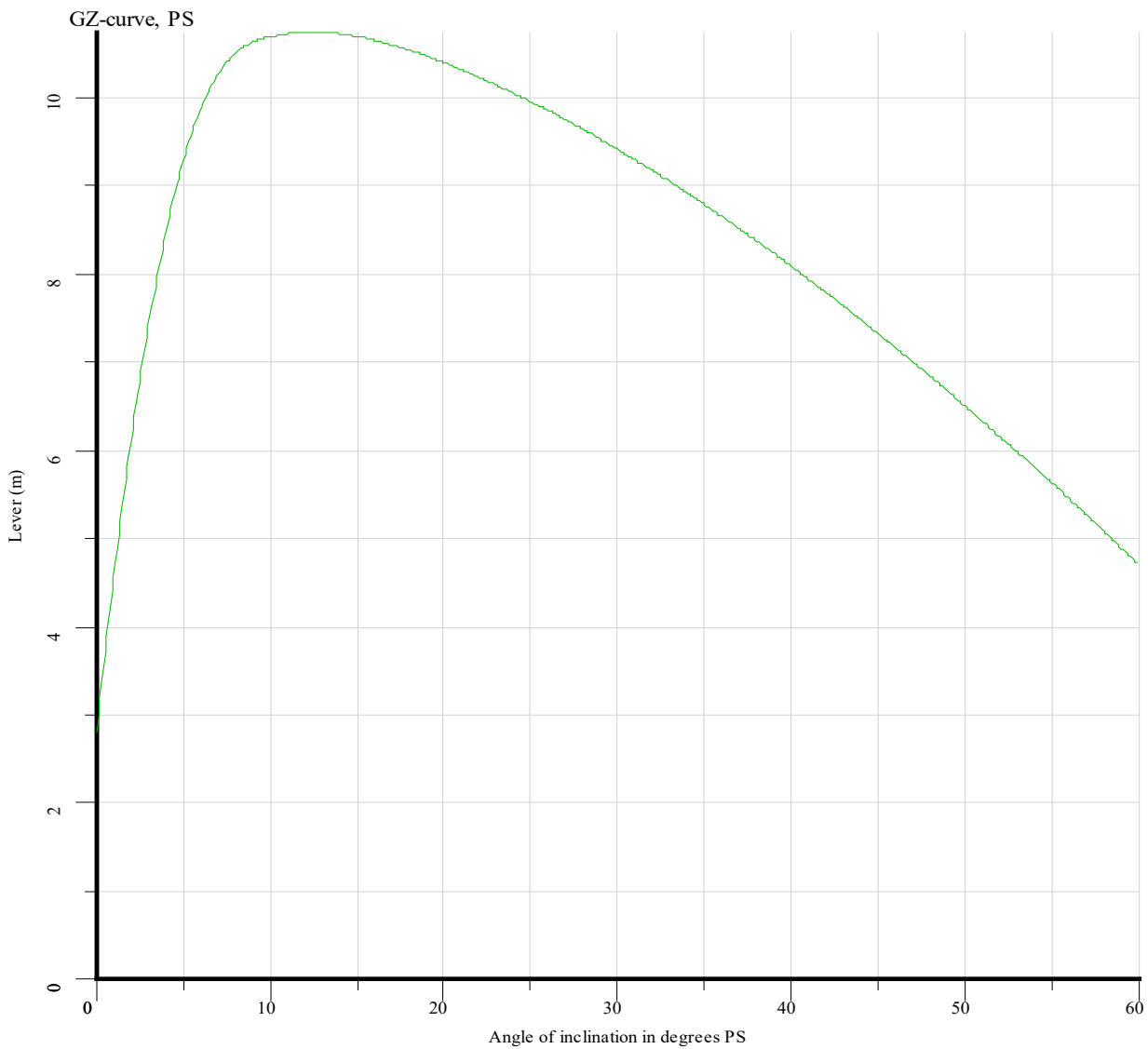
<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6107	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6070	meter
This damage case complies with the stated criteria				

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

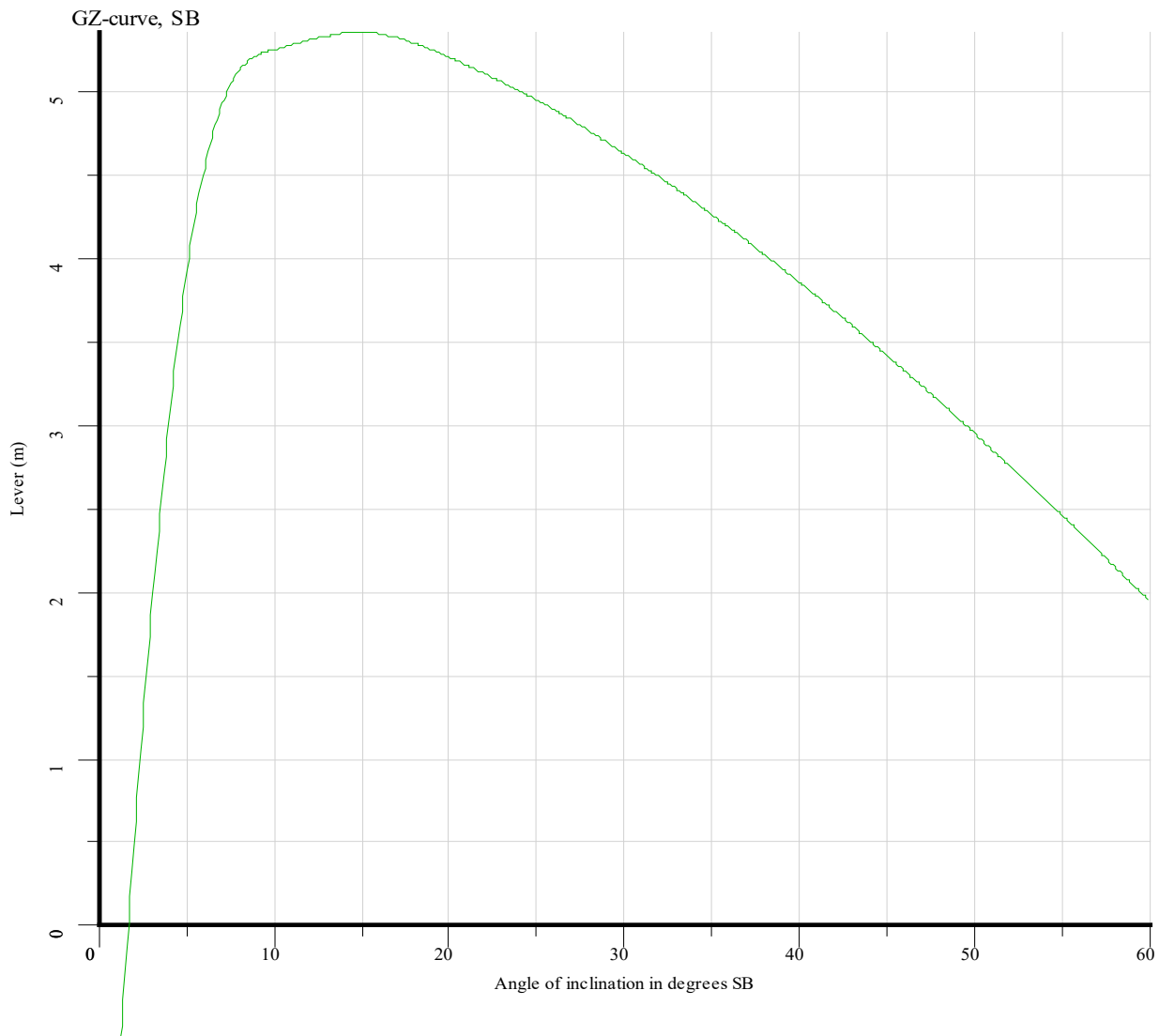


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

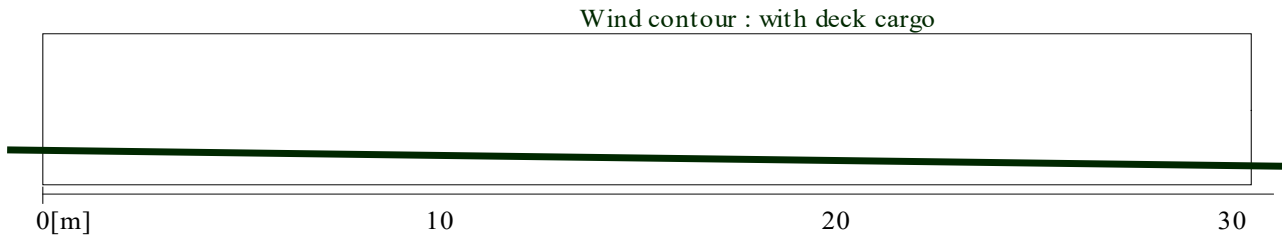


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Horizontal section at 1.500 m

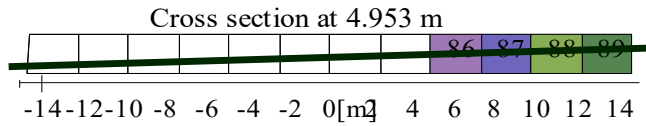
92	86						
93	87						
94	88						
95	89						
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FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	AFT SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case MID PS

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft SB	-0.795 m
Marginline	aft PS	-0.793 m
Marginline	fore SB	-0.593 m
Marginline	fore PS	-0.592 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft SB	-0.795 m
Marginline	aft PS	-0.793 m
Marginline	fore SB	-0.593 m
Marginline	fore PS	-0.592 m

Damaged compartments and intact compartment weights (at 0.00°) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (9)	0.000	1.0000	3.738	1.0000
New compartment (9) A	0.000	1.0000	3.738	1.0000
New compartment (9) A A	0.000	1.0000	3.738	1.0000
New compartment (10)	0.000	1.0000	3.734	1.0000
New compartment (11)	0.000	1.0000	3.818	1.0000
New compartment (11) A	0.000	1.0000	3.818	1.0000
New compartment (11) A A	0.000	1.0000	3.818	1.0000
New compartment (12)	0.000	1.0000	3.814	1.0000
New compartment (13)	0.000	1.0000	13.306	1.0000
New compartment (13) A	0.000	1.0000	13.306	1.0000
New compartment (13) A A	0.000	1.0000	13.306	1.0000
New compartment (14)	0.000	1.0000	13.289	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	758.136	-2.569	-15.907	-3.289	6.400
50.00 PS	758.134	-1.459	-10.945	-4.676	5.703
40.00 PS	758.134	-0.734	-7.706	-5.914	4.776
35.00 PS	758.133	-0.449	-6.431	-6.463	4.236
30.00 PS	758.134	-0.196	-5.302	-6.955	3.650
25.00 PS	758.133	0.032	-4.282	-7.383	3.024

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case MID PS
Stage of flooding 100%
Intact displacement 534.750 ton
Intact VCG 2.291 m
Intact LCG 15.472 m
Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
20.00	PS	758.139	0.242	-3.342	-7.729	2.364
15.00	PS	758.096	0.439	-2.461	-7.952	1.678
10.00	PS	756.520	0.623	-1.614	-7.907	0.985
5.00	PS	732.296	0.770	-0.731	-6.658	0.322
2.00	PS	666.492	0.748	-0.351	-3.144	0.056
0.00		618.171	0.693	-0.202	-0.004	0.000
2.00	SB	569.811	0.639	-0.052	3.136	0.056
5.00	SB	534.815	0.473	0.080	6.244	0.311
10.00	SB	534.752	-0.025	0.143	7.681	0.941
15.00	SB	534.747	-0.552	0.218	7.743	1.617
20.00	SB	534.750	-1.105	0.295	7.526	2.285
25.00	SB	534.756	-1.694	0.378	7.187	2.927
30.00	SB	534.739	-2.333	0.469	6.768	3.537
35.00	SB	534.746	-3.040	0.567	6.285	4.107
40.00	SB	534.753	-3.840	0.679	5.748	4.632
50.00	SB	534.704	-5.871	0.973	4.536	5.532
60.00	SB	534.749	-8.980	1.403	3.181	6.207

Statical angle of inclination is 0.00 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 815.525 tonm

Verification against the stability criteria "Residual freeboard >0.1 m"

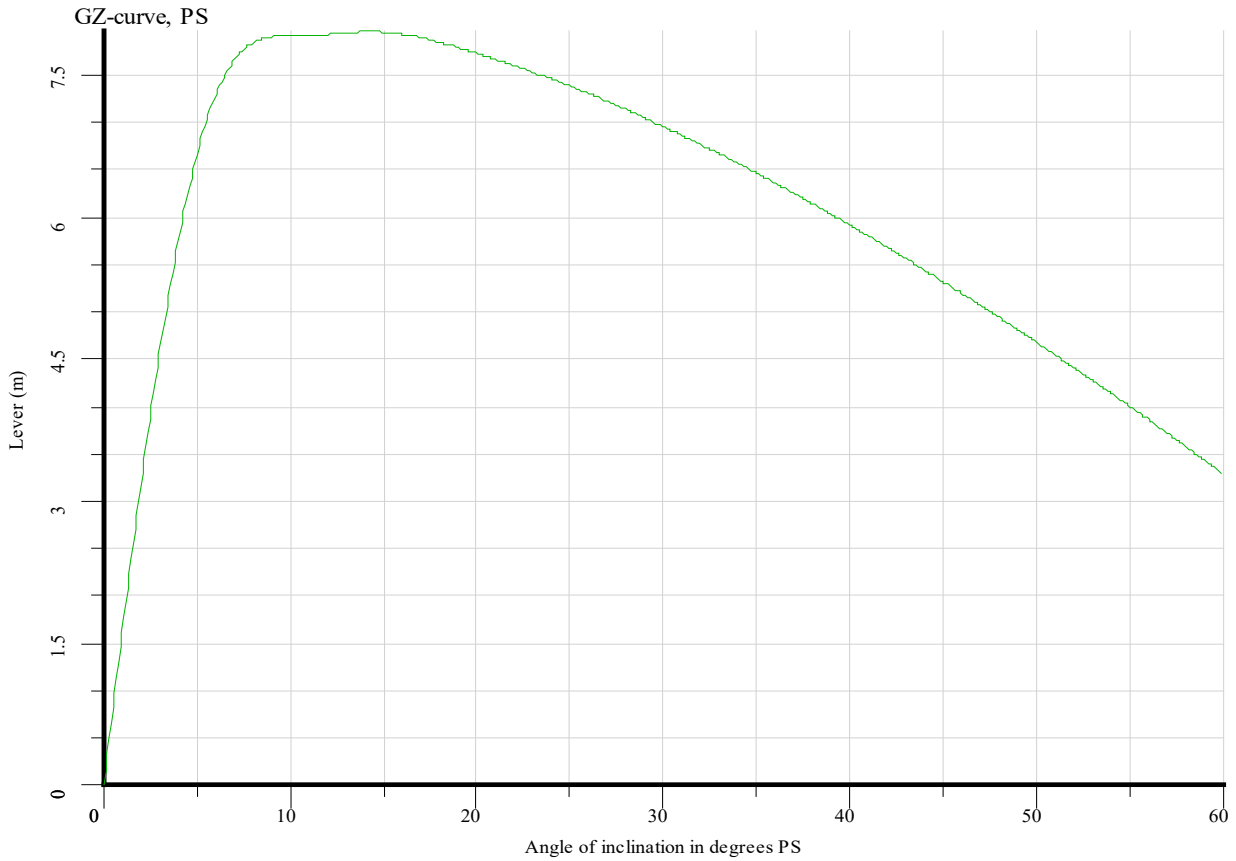
<u>Criteria calculated to PS</u>		
Distance between waterline and deck due to wind- and passenger moment	<u>Criterion</u> 0.1000	<u>Value</u> 1.1843 meter
<u>Criteria calculated to SB</u>		
Distance between waterline and deck due to wind- and passenger moment	<u>Criterion</u> 0.1000	<u>Value</u> 1.1840 meter
This damage case complies with the stated criteria		

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	MID PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

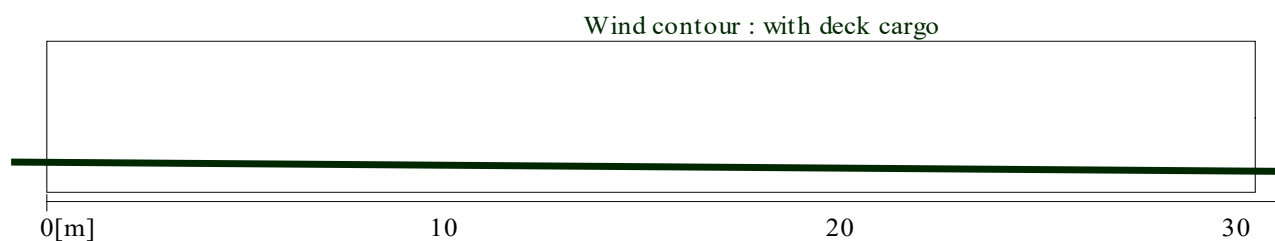
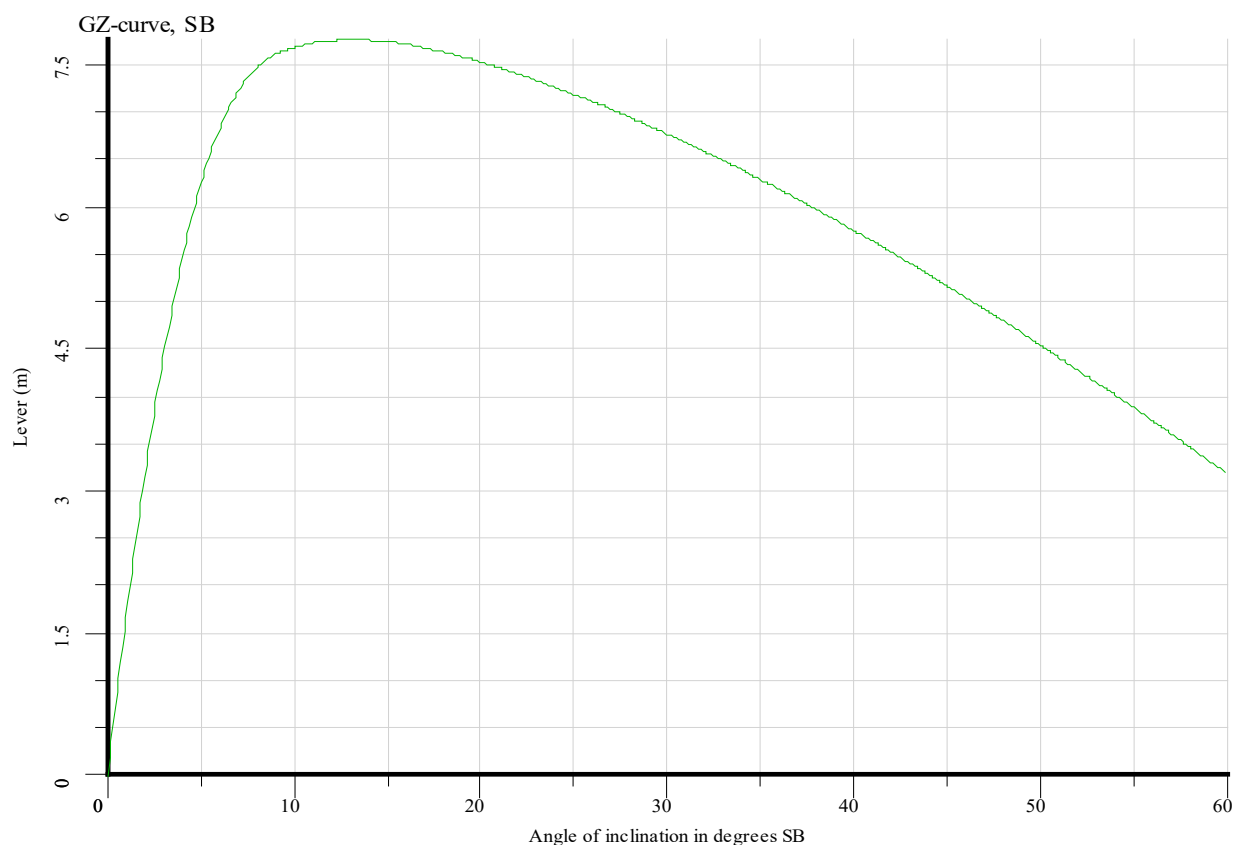


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	MID PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



pontoon 30.48x29.26x1.98m

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	MID PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

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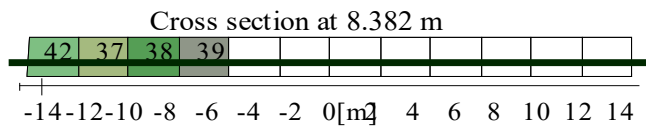
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FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	MID PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case MID SB

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.415 m
Marginline	fore SB	-1.068 m
Marginline	aft PS	-0.423 m
Marginline	fore PS	-0.077 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.415 m
Marginline	fore SB	-1.068 m
Marginline	aft PS	-0.423 m
Marginline	fore PS	-0.077 m

Damaged compartments and intact compartment weights (at 1.94° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (57) A	0.000	1.0000	5.161	1.0000
New compartment (57) A A	0.000	1.0000	5.598	1.0000
New compartment (57) A A A	0.000	1.0000	6.034	1.0000
New compartment (57) A A A A	0.000	1.0000	6.455	1.0000
New compartment (59) A	0.000	1.0000	5.298	1.0000
New compartment (59) A A	0.000	1.0000	5.735	1.0000
New compartment (59) A A A	0.000	1.0000	6.171	1.0000
New compartment (59) A A A A	0.000	1.0000	6.593	1.0000
New compartment (61) A	0.000	1.0000	18.651	1.0000
New compartment (61) A A	0.000	1.0000	20.105	1.0000
New compartment (61) A A A	0.000	1.0000	21.563	1.0000
New compartment (61) A A A A	0.000	1.0000	22.978	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	534.749	-8.980	1.403	-4.706	8.899
50.00 PS	534.704	-5.871	0.973	-6.497	7.919
40.00 PS	534.753	-3.840	0.679	-8.084	6.643
35.00 PS	534.746	-3.040	0.567	-8.784	5.907
30.00 PS	534.739	-2.333	0.469	-9.409	5.112
25.00 PS	534.756	-1.694	0.378	-9.951	4.267

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case MID SB
Stage of flooding 100%
Intact displacement 534.750 ton
Intact VCG 2.291 m
Intact LCG 15.472 m
Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
20.00	PS	534.750	-1.105	0.295	-10.392	3.379
15.00	PS	534.747	-0.552	0.218	-10.689	2.457
10.00	PS	534.752	-0.025	0.143	-10.684	1.521
5.00	PS	534.815	0.473	0.080	-9.283	0.627
2.00	PS	569.811	0.639	-0.052	-6.184	0.213
0.00		618.171	0.693	-0.202	-3.046	0.051
1.94	SB	665.095	0.746	-0.347	0.000	0.000
2.00	SB	666.492	0.748	-0.351	0.096	0.000
5.00	SB	732.296	0.770	-0.731	3.619	0.106
10.00	SB	756.520	0.623	-1.614	4.903	0.506
15.00	SB	758.096	0.439	-2.461	5.006	0.939
20.00	SB	758.139	0.242	-3.342	4.863	1.371
25.00	SB	758.134	0.032	-4.282	4.619	1.785
30.00	SB	758.056	-0.197	-5.297	4.315	2.176
35.00	SB	758.134	-0.449	-6.431	3.964	2.537
40.00	SB	758.134	-0.734	-7.706	3.577	2.866
50.00	SB	758.134	-1.459	-10.945	2.715	3.417
60.00	SB	758.047	-2.571	-15.893	1.764	3.809

Statical angle of inclination is 1.94 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 815.525 tonm

Verification against the stability criteria "Residual freeboard >0.1 m"

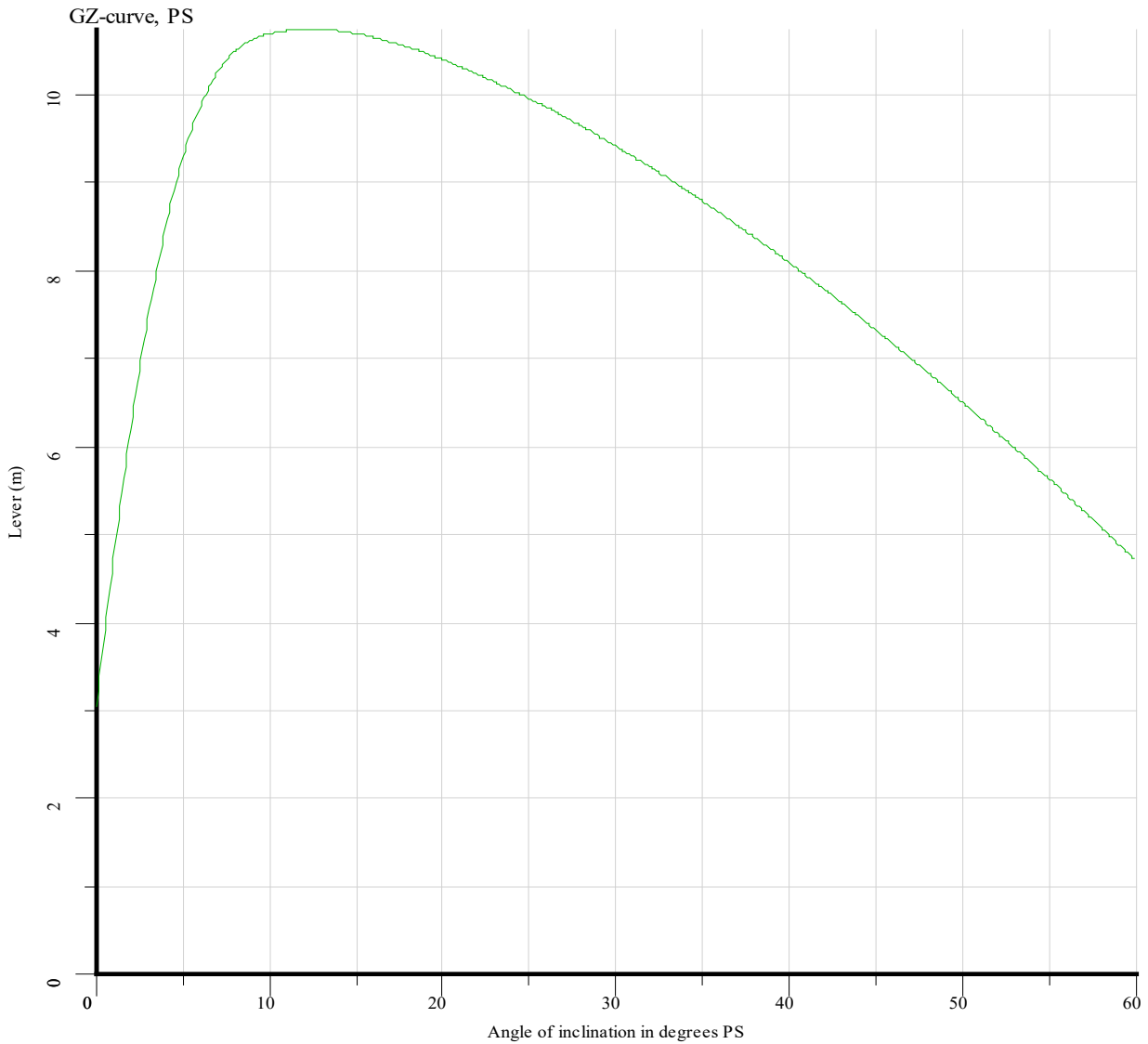
<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.5670	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.5633	meter
This damage case complies with the stated criteria				

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	MID SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

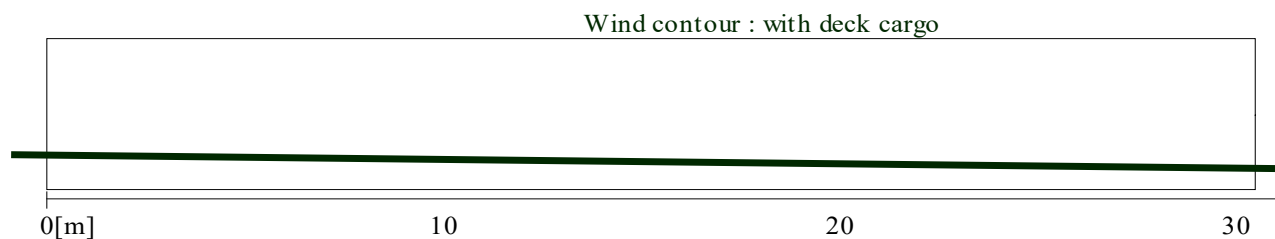
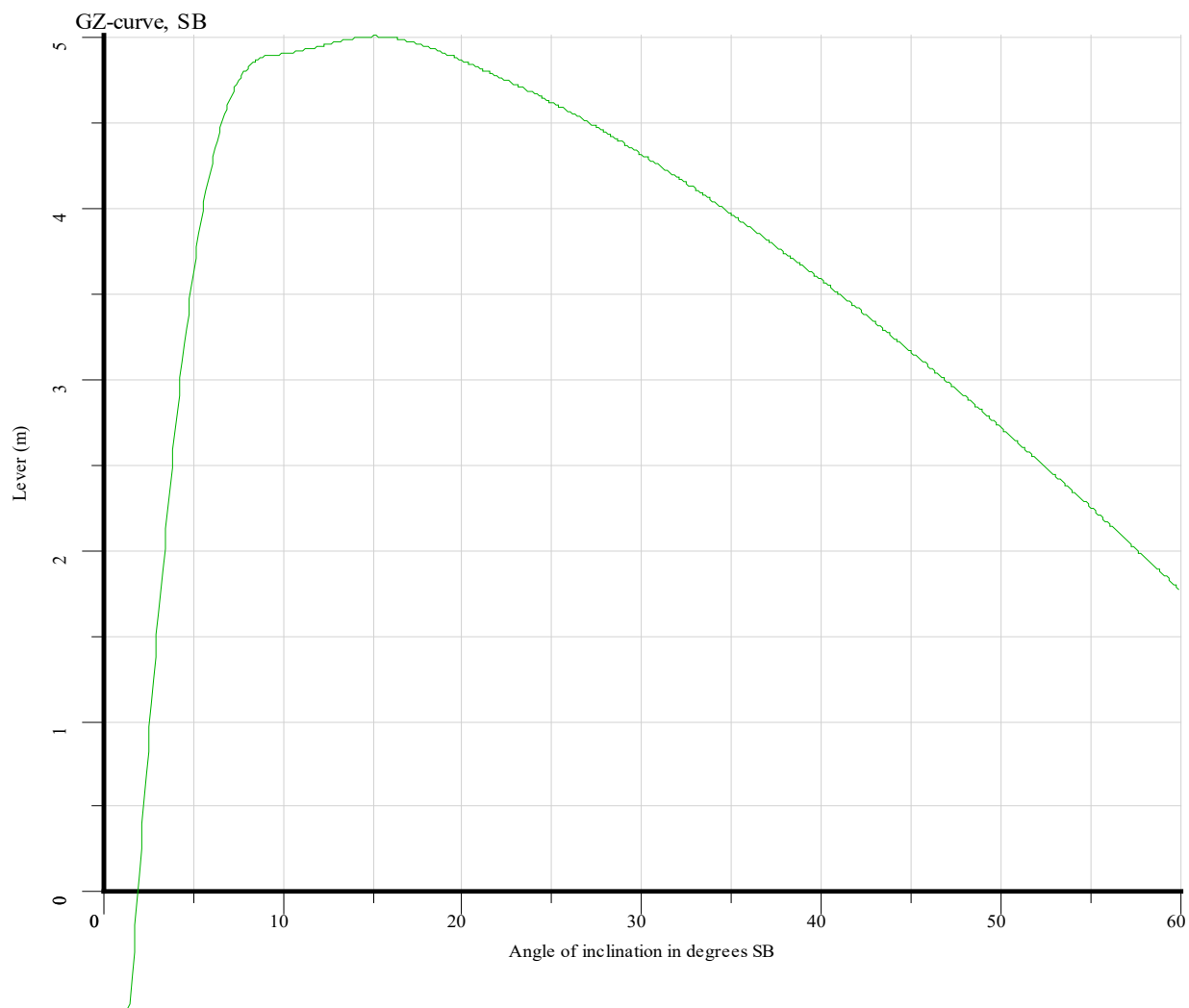


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	MID SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



pontoon 30.48x29.26x1.98m

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	MID SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Horizontal section at 1000 m

	86	80	74				
	87	81	75				
	88	82	76				
	89	83	77				

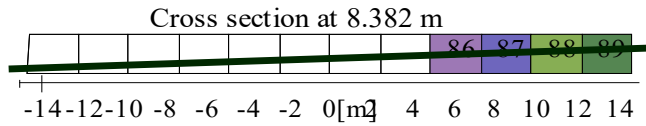
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FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	MID SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case FORE PS

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore SB	-0.894 m
Marginline	fore PS	-0.778 m
Marginline	aft SB	-0.552 m
Marginline	aft PS	-0.436 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore SB	-0.894 m
Marginline	fore PS	-0.778 m
Marginline	aft SB	-0.552 m
Marginline	aft PS	-0.436 m

Damaged compartments and intact compartment weights (at 0.23° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (1)	0.000	1.0000	6.778	1.0000
New compartment (1) A	0.000	1.0000	6.887	1.0000
New compartment (1) A A	0.000	1.0000	6.986	1.0000
New compartment (2)	0.000	1.0000	6.652	1.0000
New compartment (3)	0.000	1.0000	3.888	1.0000
New compartment (3) A	0.000	1.0000	3.950	1.0000
New compartment (3) A A	0.000	1.0000	4.009	1.0000
New compartment (4)	0.000	1.0000	3.814	1.0000
New compartment (5)	0.000	1.0000	3.752	1.0000
New compartment (5) A	0.000	1.0000	3.813	1.0000
New compartment (5) A A	0.000	1.0000	3.873	1.0000
New compartment (6)	0.000	1.0000	3.681	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	688.421	-4.569	20.564	-3.620	6.964
50.00 PS	688.326	-2.837	14.158	-5.101	6.201
40.00 PS	688.326	-1.705	9.968	-6.421	5.193
35.00 PS	688.285	-1.259	8.323	-7.004	4.607
30.00 PS	688.374	-0.864	6.855	-7.529	3.972
25.00 PS	688.326	-0.507	5.540	-7.983	3.295

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case FORE PS
Stage of flooding 100%
Intact displacement 534.750 ton
Intact VCG 2.291 m
Intact LCG 15.472 m
Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
20.00	PS	688.326	-0.179	4.324	-8.351	2.581
15.00	PS	688.327	0.130	3.183	-8.591	1.840
10.00	PS	688.177	0.423	2.093	-8.547	1.091
5.00	PS	676.555	0.679	1.026	-7.254	0.376
2.00	PS	630.979	0.708	0.528	-3.808	0.076
0.00		596.857	0.669	0.360	-0.393	0.001
0.23	SB	592.989	0.665	0.341	0.000	0.000
2.00	SB	562.779	0.631	0.193	3.026	0.048
5.00	SB	535.026	0.473	0.082	6.248	0.302
10.00	SB	534.738	-0.025	0.143	7.680	0.932
15.00	SB	534.756	-0.552	0.217	7.743	1.608
20.00	SB	534.736	-1.105	0.295	7.526	2.276
25.00	SB	534.732	-1.694	0.379	7.187	2.918
30.00	SB	534.761	-2.333	0.467	6.768	3.528
35.00	SB	534.743	-3.041	0.567	6.285	4.098
40.00	SB	534.739	-3.840	0.680	5.748	4.623
50.00	SB	534.764	-5.869	0.963	4.537	5.523
60.00	SB	534.790	-8.979	1.397	3.181	6.198

Statical angle of inclination is 0.23 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 815.525 tonm

Verification against the stability criteria "Residual freeboard >0.1 m"

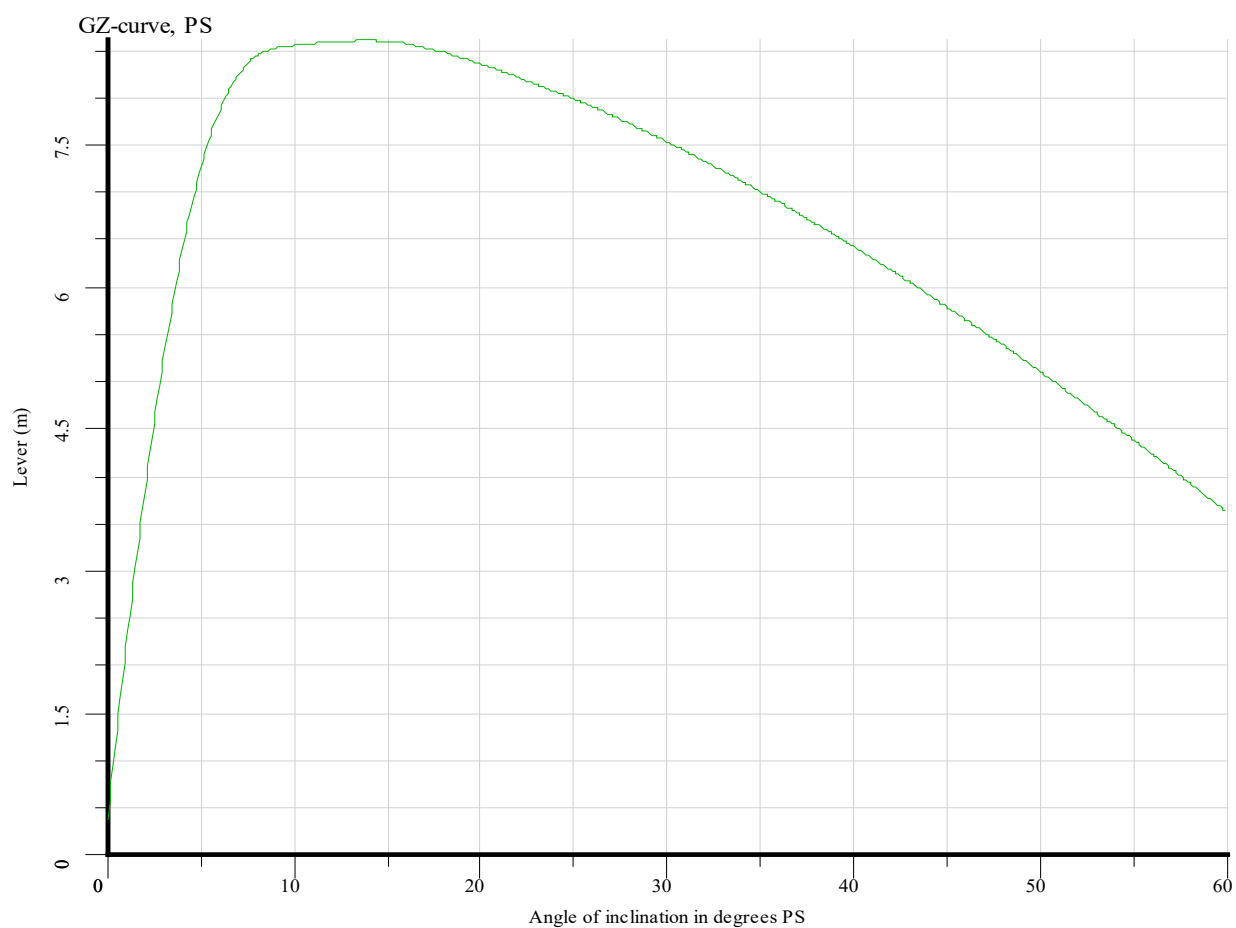
<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0868	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0847	meter
This damage case complies with the stated criteria				

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	FORE PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

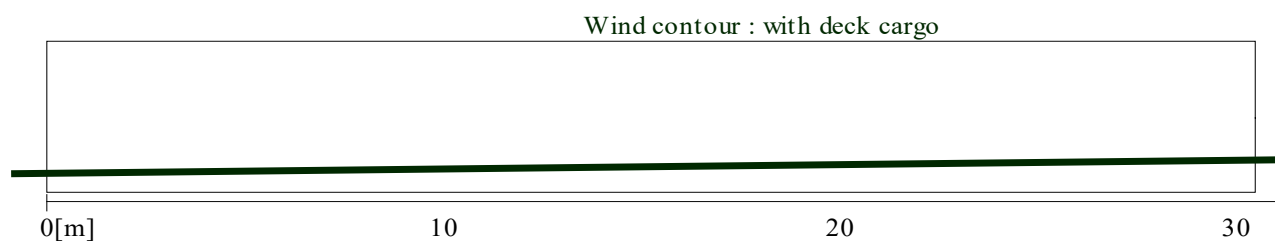
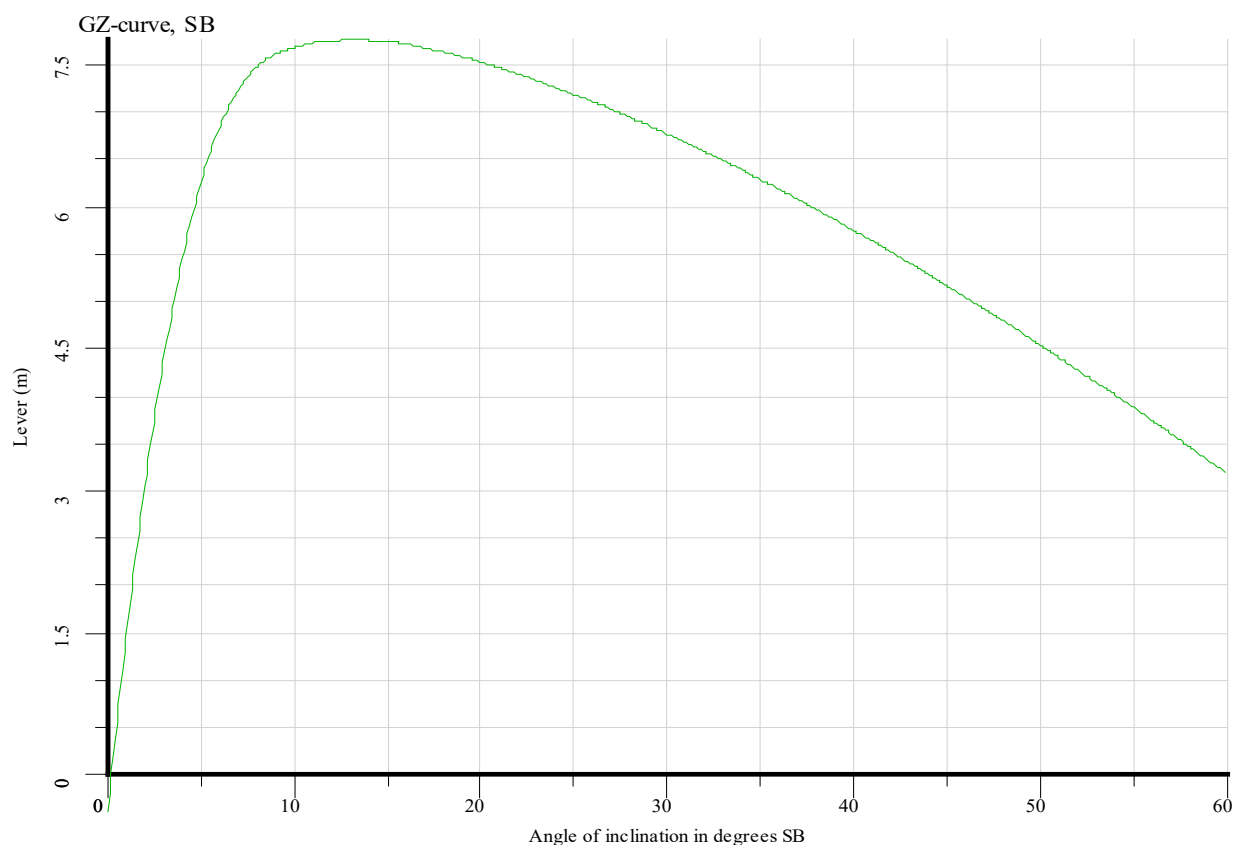


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	FORE PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	FORE PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Horizontal section at 1.500 m

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10

20

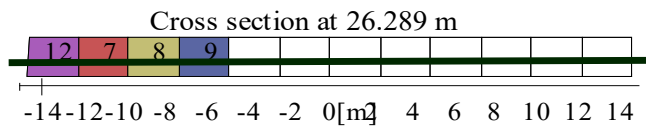
30

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	FORE PS
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case FORE SB

Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.338 m
Marginline	aft SB	-0.857 m
Marginline	fore PS	-0.543 m
Marginline	aft PS	-0.062 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.338 m
Marginline	aft SB	-0.857 m
Marginline	fore PS	-0.543 m
Marginline	aft PS	-0.062 m

Damaged compartments and intact compartment weights (at 1.56° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
New compartment (49) A	0.000	1.0000	9.497	1.0000
New compartment (49) A A	0.000	1.0000	10.073	1.0000
New compartment (49) A A A	0.000	1.0000	10.698	1.0000
New compartment (49) A A A A	0.000	1.0000	11.338	1.0000
New compartment (51) A	0.000	1.0000	5.448	1.0000
New compartment (51) A A	0.000	1.0000	5.793	1.0000
New compartment (51) A A A	0.000	1.0000	6.148	1.0000
New compartment (51) A A A A	0.000	1.0000	6.527	1.0000
New compartment (53) A	0.000	1.0000	5.260	1.0000
New compartment (53) A A	0.000	1.0000	5.606	1.0000
New compartment (53) A A A	0.000	1.0000	5.953	1.0000
New compartment (53) A A A A	0.000	1.0000	6.320	1.0000

Angle degrees	Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00 PS	534.790	-8.979	1.397	-4.706	8.874
50.00 PS	534.764	-5.869	0.963	-6.497	7.894
40.00 PS	534.739	-3.840	0.680	-8.084	6.618
35.00 PS	534.743	-3.041	0.567	-8.783	5.881
30.00 PS	534.761	-2.333	0.467	-9.409	5.087
25.00 PS	534.732	-1.694	0.379	-9.951	4.242

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case FORE SB
Stage of flooding 100%
Intact displacement 534.750 ton
Intact VCG 2.291 m
Intact LCG 15.472 m
Intact TCG 0.000 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
20.00	PS	534.736	-1.105	0.295	-10.392	3.353
15.00	PS	534.756	-0.552	0.217	-10.689	2.432
10.00	PS	534.738	-0.025	0.143	-10.684	1.496
5.00	PS	535.026	0.473	0.082	-9.286	0.602
2.00	PS	562.779	0.631	0.193	-6.074	0.189
0.00		596.857	0.669	0.360	-2.657	0.035
1.56	SB	623.419	0.699	0.491	0.000	0.000
2.00	SB	630.980	0.708	0.528	0.760	0.003
5.00	SB	676.555	0.679	1.026	4.215	0.144
10.00	SB	688.177	0.423	2.093	5.543	0.596
15.00	SB	688.326	0.130	3.183	5.645	1.085
20.00	SB	688.368	-0.179	4.322	5.485	1.572
25.00	SB	688.326	-0.507	5.540	5.218	2.040
30.00	SB	688.324	-0.864	6.858	4.887	2.481
35.00	SB	688.325	-1.259	8.319	4.506	2.891
40.00	SB	688.327	-1.705	9.968	4.084	3.266
50.00	SB	688.325	-2.837	14.158	3.140	3.898
60.00	SB	688.326	-4.572	20.576	2.095	4.357

Statical angle of inclination is 1.56 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 815.525 tonm

Verification against the stability criteria "Residual freeboard >0.1 m"

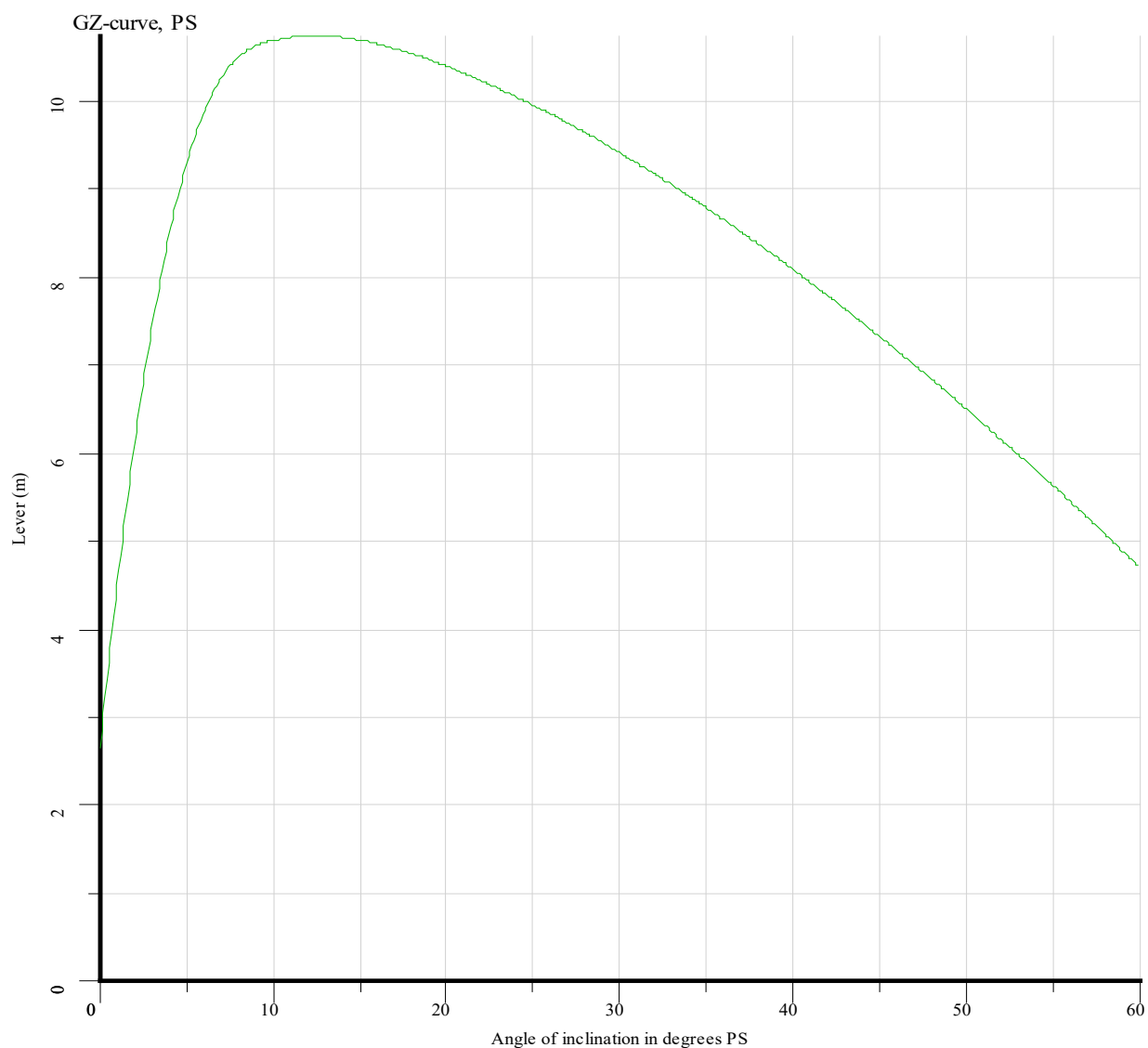
<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6435	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6401	meter
This damage case complies with the stated criteria				

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	FORE SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

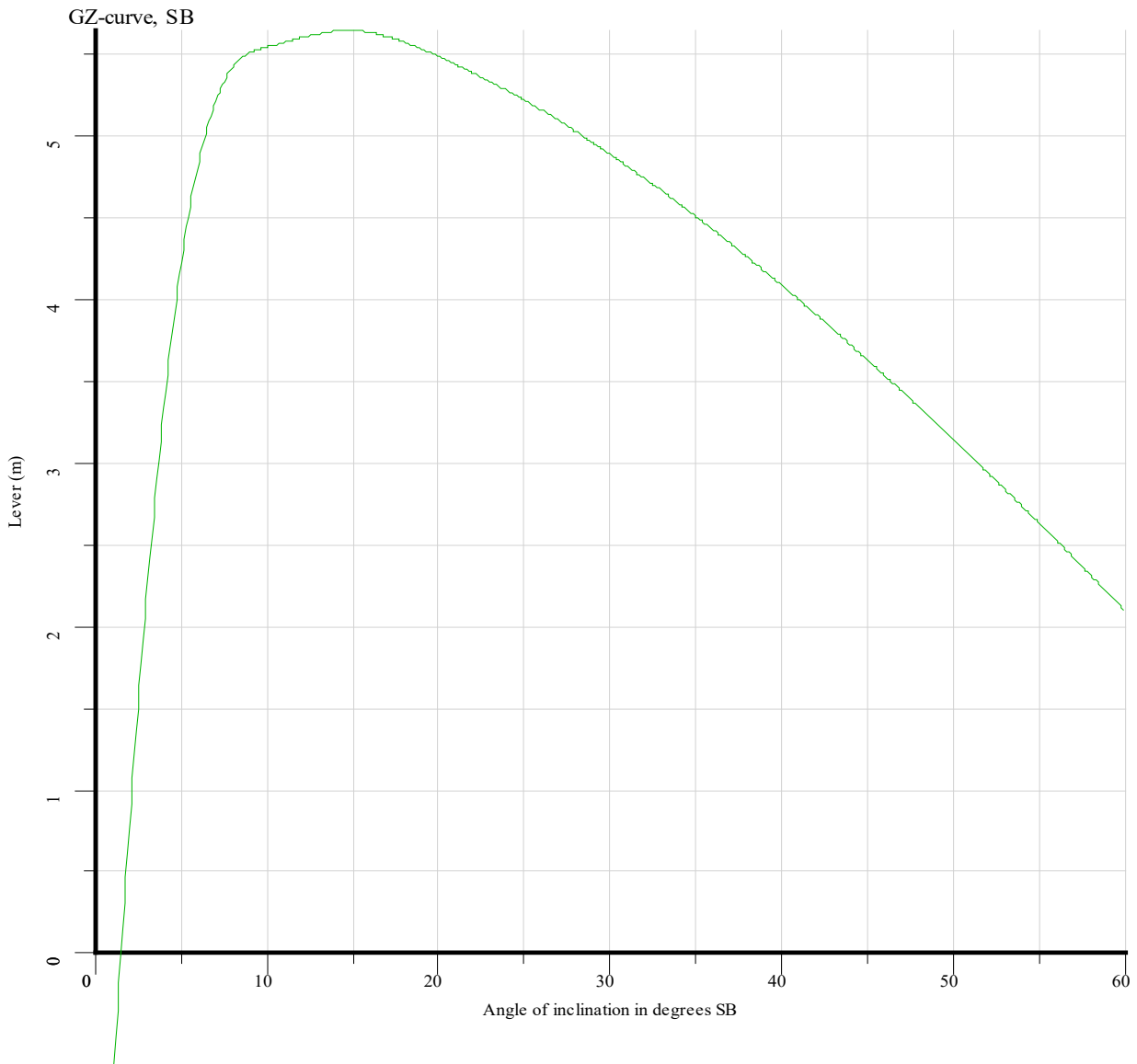


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	FORE SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

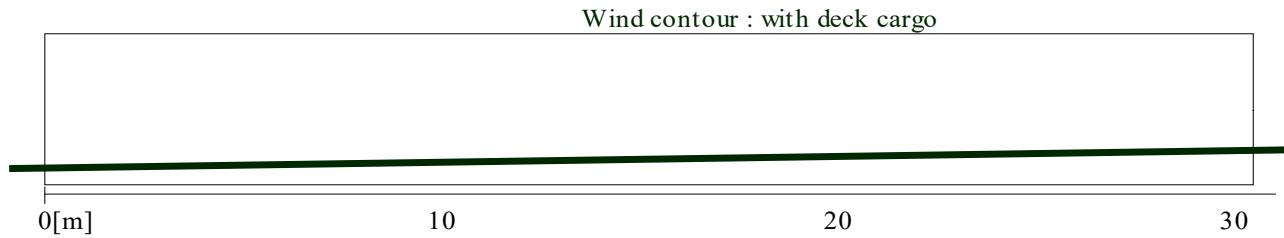


FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	FORE SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	FORE SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m

Horizontal section at 1.500 m

					62	56	50
					63	57	51
					64	58	52
					65	59	53

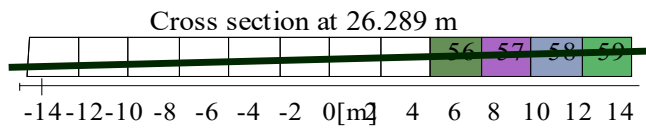
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FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:45:05

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

Damage case	FORE SB
Stage of flooding	100%
Intact displacement	534.750 ton
Intact VCG	2.291 m
Intact LCG	15.472 m
Intact TCG	0.000 m



SUMMARY OF DAMAGE STABILITY

FLOODABILITY AND DAMAGE STABILITY

pontoon 30.48x29.26x1.98m

02 Mar 2024 20:46:46

Loading condition : Pontoon with equipment & 2230 passengers (max passengers)

Loading condition 'Pontoon with equipment & 2230 passengers (max passengers)' complies with all calculated damage cases

Stage	Damage case: AFT PS		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.698 m	Trim: -0.347 m	Angle: 0.83° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.8993	0.1000	0.9029	meter
Stage	Damage case: AFT SB		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.698 m	Trim: -0.347 m	Angle: 0.83° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.9029	0.1000	0.8993	meter
Stage	Damage case: MID PS		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.721 m	Trim: -0.279 m	Angle: 1.03° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.8563	0.1000	0.8600	meter
Stage	Damage case: MID SB		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.721 m	Trim: -0.279 m	Angle: 1.03° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.8600	0.1000	0.8563	meter
Stage	Damage case: FORE PS		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.683 m	Trim: 0.419 m	Angle: 0.69° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.9125	0.1000	0.9160	meter
Stage	Damage case: FORE SB		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.683 m	Trim: 0.419 m	Angle: 0.69° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.9160	0.1000	0.9125	meter

FLOODABILITY AND DAMAGE STABILITY
pontoon 30.48x29.26x1.98m

02 Mar 2024 20:46:46

Loading condition : Pontoon with equipment & 2230 passengers to SB (or PS)

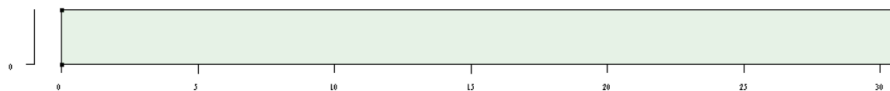
Loading condition 'Pontoon with equipment & 2230 passengers to SB (or PS)' complies with all calculated damage cases

Stage	Damage case: AFT PS		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.676 m	Trim: -0.255 m	Angle: 0.15° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.1402	0.1000	1.1381	meter
Stage	Damage case: AFT SB		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.719 m	Trim: -0.432 m	Angle: 1.72° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.6107	0.1000	0.6070	meter
Stage	Damage case: MID PS		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.693 m	Trim: -0.202 m	Angle: 0.00° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.1843	0.1000	1.1840	meter
Stage	Damage case: MID SB		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.746 m	Trim: -0.347 m	Angle: 1.94° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.5670	0.1000	0.5633	meter
Stage	Damage case: FORE PS		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.665 m	Trim: 0.341 m	Angle: 0.23° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.0868	0.1000	1.0847	meter
Stage	Damage case: FORE SB		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.699 m	Trim: 0.491 m	Angle: 1.56° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.6435	0.1000	0.6401	meter

6. WIND CALCULATIONS

CALCULATION OF WINDMOMENT pontoon 30.48x29.26x1.98m

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Wind data: 25.0 kg/m²

Contour: No deck cargo

Draft m	Displacement kg	Moment kgm	Heel.lev. m	Area m ²	Wind lev. m
0.300	267523	1267	0.005	51.206	0.990
0.350	312104	1230	0.004	49.682	0.990
0.400	356681	1192	0.003	48.158	0.990
0.450	401257	1154	0.003	46.634	0.990
0.500	445831	1116	0.003	45.110	0.990
0.550	490402	1079	0.002	43.586	0.990
0.600	534972	1041	0.002	42.062	0.990
0.650	579539	1003	0.002	40.538	0.990
0.700	624105	966	0.002	39.014	0.990
0.750	668668	928	0.001	37.490	0.990
0.800	713229	890	0.001	35.966	0.990
0.850	757788	852	0.001	34.442	0.990
0.900	802346	815	0.001	32.918	0.990
0.950	846900	777	0.001	31.394	0.990
1.000	891454	739	0.001	29.870	0.990
1.050	936005	702	0.001	28.346	0.990
1.100	980554	664	0.001	26.822	0.990
1.150	1025099	626	0.001	25.298	0.990
1.200	1069645	588	0.001	23.774	0.990
1.250	1114187	551	0.000	22.250	0.990
1.300	1158728	513	0.000	20.726	0.990
1.350	1203266	475	0.000	19.202	0.990
1.400	1247802	438	0.000	17.678	0.990
1.450	1292336	400	0.000	16.154	0.990
1.500	1336869	362	0.000	14.630	0.990
1.550	1381400	324	0.000	13.106	0.990
1.600	1425927	287	0.000	11.582	0.990
1.650	1470452	249	0.000	10.058	0.990
1.700	1514976	211	0.000	8.534	0.990

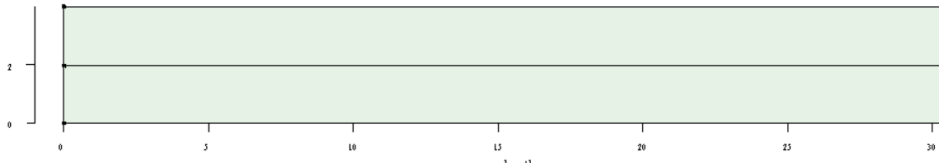
Pressure 25.00 kg/m²

Draft is from baseline.

Moment is calculated relative to the center of projected area underwater body.

CALCULATION OF WINDMOMENT pontoon 30.48x29.26x1.98m

02 Mar 2024 20:59:29



Wind data: 25.0 kg/m2

Contour: with deck cargo

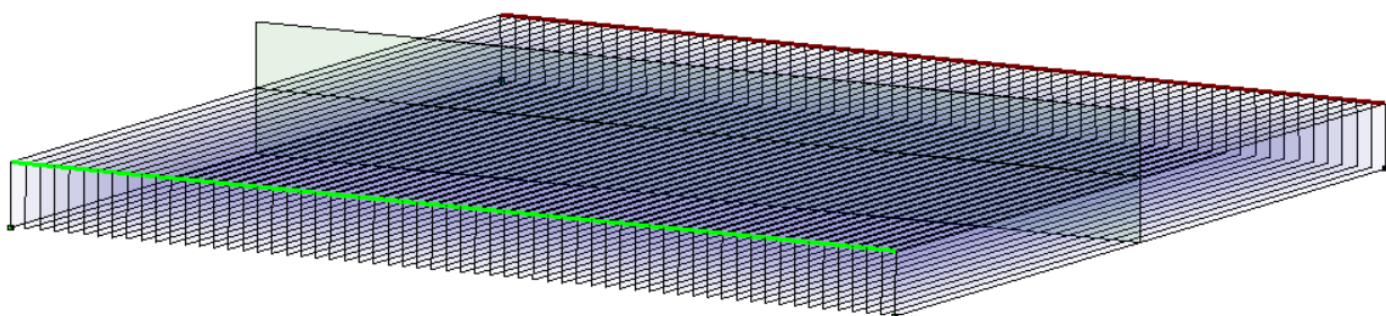
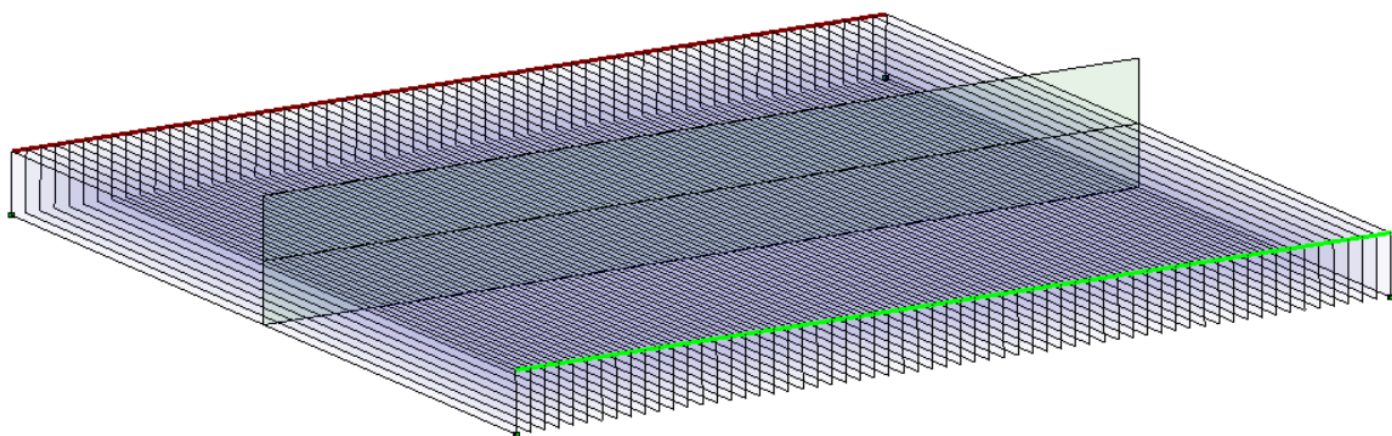
Draft m	Displacement kg	Moment kgm	Heel.lev. m	Area m ²	Wind lev. m
0.300	267523	5639	0.021	112.776	2.000
0.350	312104	5563	0.018	111.252	2.000
0.400	356681	5486	0.015	109.728	2.000
0.450	401257	5410	0.013	108.204	2.000
0.500	445831	5334	0.012	106.680	2.000
0.550	490402	5258	0.011	105.156	2.000
0.600	534972	5182	0.010	103.632	2.000
0.650	579539	5105	0.009	102.108	2.000
0.700	624105	5029	0.008	100.584	2.000
0.750	668668	4953	0.007	99.060	2.000
0.800	713229	4877	0.007	97.536	2.000
0.850	757788	4801	0.006	96.012	2.000
0.900	802346	4724	0.006	94.488	2.000
0.950	846900	4648	0.005	92.964	2.000
1.000	891454	4572	0.005	91.440	2.000
1.050	936005	4496	0.005	89.916	2.000
1.100	980554	4420	0.005	88.392	2.000
1.150	1025099	4343	0.004	86.868	2.000
1.200	1069645	4267	0.004	85.344	2.000
1.250	1114187	4191	0.004	83.820	2.000
1.300	1158728	4115	0.004	82.296	2.000
1.350	1203266	4039	0.003	80.772	2.000
1.400	1247802	3962	0.003	79.248	2.000
1.450	1292336	3886	0.003	77.724	2.000
1.500	1336869	3810	0.003	76.200	2.000
1.550	1381400	3734	0.003	74.676	2.000
1.600	1425927	3658	0.003	73.152	2.000
1.650	1470452	3581	0.002	71.628	2.000
1.700	1514976	3505	0.002	70.104	2.000

Pressure 25.00 kg/m²

Draft is from baseline.

Moment is calculated relative to the center of projected area underwater body.

7. INPUT DATA HULLFORM



MAIN DIMENSIONS
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:02:29

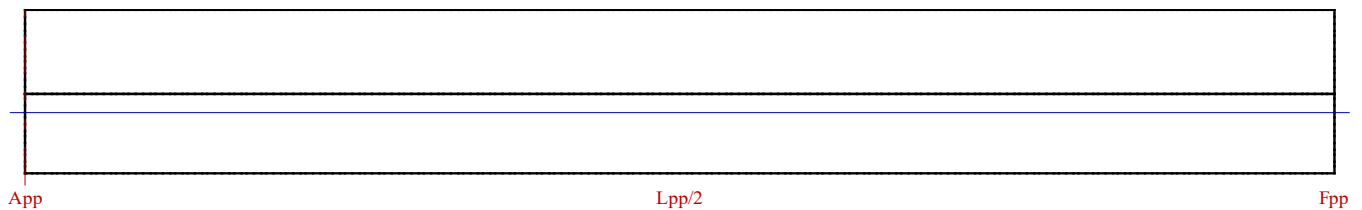
General particulars and main dimensions

Project name : pontoon 30.48x29.26x1.98m

Length between perpendiculars	:	30.480 m
Waterline length	:	30.480 m
Length overall	:	30.480 m
Moulded breadth	:	29.260 m
Design draft	:	1.500 m
Moulded depth	:	1.980 m
Appendage coefficient	:	1.0000
Mean shell plate thickness	:	0.0000 m
Type of midship section	:	Chine

The vessel is symmetrical.

The vessel has no more added hullforms.



0[m]	10	20	30
Legend			
—Perpendiculars			
—Water line			
—Mark lines			
Main dimensions			
Length perpendiculars			30.480m
Moulded breadth			29.260m
Moulded depth			1.980m
Design draft			1.500m

LIST OF INPUT ORDINATES
pontoon 30.48x29.26x1.98m

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Symmetrical main hull form

Ordinate 0.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 0.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 1.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 1.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 2.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 2.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 3.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 3.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

LIST OF INPUT ORDINATES
pontoon 30.48x29.26x1.98m

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Symmetrical main hullform

Ordinate 4.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 4.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 5.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 5.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 6.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 6.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 7.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 7.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

LIST OF INPUT ORDINATES
pontoon 30.48x29.26x1.98m

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Symmetrical main hullform

Ordinate 8.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 8.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 9.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 9.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 10.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 10.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 11.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 11.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

LIST OF INPUT ORDINATES
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:03:10

Symmetrical main hullform

Ordinate 12.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 12.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 13.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 13.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 14.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 14.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 15.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 15.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

LIST OF INPUT ORDINATES
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:03:10

Symmetrical main hullform

Ordinate 16.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 16.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 17.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 17.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 18.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 18.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 19.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 19.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

LIST OF INPUT ORDINATES
pontoon 30.48x29.26x1.98m

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Symmetrical main hullform

Ordinate 20.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 20.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 21.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 21.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 22.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 22.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 23.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 23.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

LIST OF INPUT ORDINATES
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:03:10

Symmetrical main hullform

Ordinate 24.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 24.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 25.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 25.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 26.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 26.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 27.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

Ordinate 27.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
14.630 K	0.000

Breadth	Height
14.603 K	1.980

LIST OF INPUT ORDINATES
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:03:10

Symmetrical main hullform

Ordinate 28.000

Breadth	Height	Breadth	Height	Breadth	Height
0.000	0.000	14.630 K	0.000	14.603 K	1.980
0.000	1.980				

Ordinate 28.500

Breadth	Height	Breadth	Height	Breadth	Height
0.000	0.000	14.630 K	0.000	14.603 K	1.980
0.000	1.980				

Ordinate 29.000

Breadth	Height	Breadth	Height	Breadth	Height
0.000	0.000	14.630 K	0.000	14.603 K	1.980
0.000	1.980				

Ordinate 29.500

Breadth	Height	Breadth	Height	Breadth	Height
0.000	0.000	14.630 K	0.000	14.603 K	1.980
0.000	1.980				

Ordinate 30.000

Breadth	Height	Breadth	Height	Breadth	Height
0.000	0.000	14.630 K	0.000	14.603 K	1.980
0.000	1.980				

Ordinate 30.480

Breadth	Height	Breadth	Height	Breadth	Height
0.000	0.000	14.630 K	0.000	14.603 K	1.980
0.000	1.980				

Remark : The character K with a coordinate indicates a knuckle.

8. INPUT DATA COMPARTMENTS

COMPARTMENT LAYOUT pontoon 30.48x29.26x1.98m

02 Mar 2024 21:04:18

1 New compartment (1)	2 New compartment (1) A
3 New compartment (1) A A	4 New compartment (1) A A A
5 New compartment (1) A A A A	6 New compartment (2)
7 New compartment (3)	8 New compartment (3) A
9 New compartment (3) A A	10 New compartment (3) A A A
11 New compartment (3) A A A A	12 New compartment (4)
13 New compartment (5)	14 New compartment (5) A
15 New compartment (5) A A	16 New compartment (5) A A A
17 New compartment (5) A A A A	18 New compartment (6)
19 New compartment (7)	20 New compartment (7) A
21 New compartment (7) A A	22 New compartment (7) A A A
23 New compartment (7) A A A A	24 New compartment (8)
25 New compartment (9)	26 New compartment (9) A
27 New compartment (9) A A	28 New compartment (9) A A A
29 New compartment (9) A A A A	30 New compartment (10)
31 New compartment (11)	32 New compartment (11) A
33 New compartment (11) A A	34 New compartment (11) A A A
35 New compartment (11) A A A A	36 New compartment (12)
37 New compartment (13)	38 New compartment (13) A
39 New compartment (13) A A	40 New compartment (13) A A A
41 New compartment (13) A A A A	42 New compartment (14)
43 New compartment (15)	44 New compartment (15) A
45 New compartment (15) A A	46 New compartment (15) A A A
47 New compartment (15) A A A A	48 New compartment (16)
49 New compartment (49)	50 New compartment (49) A
51 New compartment (49) A A	52 New compartment (49) A A A
53 New compartment (49) A A A A	54 New compartment (50)
55 New compartment (51)	56 New compartment (51) A
57 New compartment (51) A A	58 New compartment (51) A A A
59 New compartment (51) A A A A	60 New compartment (52)
61 New compartment (53)	62 New compartment (53) A
63 New compartment (53) A A	64 New compartment (53) A A A
65 New compartment (53) A A A A	66 New compartment (54)
67 New compartment (55)	68 New compartment (55) A
69 New compartment (55) A A	70 New compartment (55) A A A
71 New compartment (55) A A A A	72 New compartment (56)
73 New compartment (57)	74 New compartment (57) A
75 New compartment (57) A A	76 New compartment (57) A A A
77 New compartment (57) A A A A	78 New compartment (58)
79 New compartment (59)	80 New compartment (59) A
81 New compartment (59) A A	82 New compartment (59) A A A
83 New compartment (59) A A A A	84 New compartment (60)

COMPARTMENT LAYOUT
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:04:18

85 New compartment (61)|
87 New compartment (61)|A|A|
89 New compartment (61)|A|A|A|A|
91 New compartment (63)|
93 New compartment (63)|A|A|
95 New compartment (63)|A|A|A|A|

86 New compartment (61)|A|
88 New compartment (61)|A|A|A|
90 New compartment (62)
92 New compartment (63)|A|
94 New compartment (63)|A|A|A|
96 New compartment (64)

Horizontal section at 1.500 m

48	42	36	30	24	18	12	6
43	37	31	25	19	13	7	1
44	38	32	26	20	14	8	2
45	39	33	27	21	15	9	3
46	40	34	28	22	16	10	4
47	41	35	29	23	17	11	5
96	90	84	78	72	66	60	54
91	85	79	73	67	61	55	49
92	86	80	74	68	62	56	50
93	87	81	75	69	63	57	51
94	88	82	76	70	64	58	52
95	89	83	77	71	65	59	53

0[m] 10 20 30

Cross section at 15.850 m

24	19	20	21	22	23	72	67	68	69	70	71
----	----	----	----	----	----	----	----	----	----	----	----

-14 -12 -10 -8 -6 -4 -2 0[m] 4 6 8 10 12 14

SUMMARY OF MAXIMUM TANK VOLUMES
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:04:47

Subtotals for group : -

Compartment	Volume	Weight	VCG	LCG	TCG	Mom.In.T	Density
New compartment (1)	18.024	18.024	0.990	28.575	-10.971	4.52	1.0000
New compartment (1) A	18.024	18.024	0.990	28.575	-8.533	4.52	1.0000
New compartment (1) A A	18.024	18.024	0.990	28.575	-6.095	4.51	1.0000
New compartment (1) A A A	18.024	18.024	0.990	28.575	-3.657	4.51	1.0000
New compartment (1) A A A A	18.024	18.024	0.990	28.575	-1.219	4.51	1.0000
New compartment (2)	17.942	17.942	0.988	28.575	-13.403	4.52	1.0000
New compartment (3)	10.814	10.814	0.990	25.527	-10.971	2.71	1.0000
New compartment (3) A	10.814	10.814	0.990	25.527	-8.533	2.71	1.0000
New compartment (3) A A	10.814	10.814	0.990	25.527	-6.095	2.71	1.0000
New compartment (3) A A A	10.814	10.814	0.990	25.527	-3.657	2.71	1.0000
New compartment (3) A A A A	10.814	10.814	0.990	25.527	-1.219	2.71	1.0000
New compartment (4)	10.765	10.765	0.988	25.527	-13.403	2.71	1.0000
New compartment (5)	10.814	10.814	0.990	23.241	-10.971	2.71	1.0000
New compartment (5) A	10.814	10.814	0.990	23.241	-8.533	2.71	1.0000
New compartment (5) A A	10.814	10.814	0.990	23.241	-6.095	2.71	1.0000
New compartment (5) A A A	10.814	10.814	0.990	23.241	-3.657	2.71	1.0000
New compartment (5) A A A A	10.814	10.814	0.990	23.241	-1.219	2.71	1.0000
New compartment (6)	10.765	10.765	0.988	23.241	-13.403	2.71	1.0000
New compartment (7)	36.047	36.047	0.990	18.288	-10.971	9.05	1.0000
New compartment (7) A	36.047	36.047	0.990	18.288	-8.533	9.05	1.0000
New compartment (7) A A	36.047	36.047	0.990	18.288	-6.095	9.04	1.0000
New compartment (7) A A A	36.047	36.047	0.990	18.288	-3.657	9.02	1.0000
New compartment (7) A A A A	36.047	36.047	0.990	18.288	-1.219	9.02	1.0000
New compartment (8)	35.883	35.883	0.988	18.288	-13.403	9.04	1.0000
New compartment (9)	10.814	10.814	0.990	13.335	-10.971	2.71	1.0000
New compartment (9) A	10.814	10.814	0.990	13.335	-8.533	2.71	1.0000
New compartment (9) A A	10.814	10.814	0.990	13.335	-6.095	2.71	1.0000
New compartment (9) A A A	10.814	10.814	0.990	13.335	-3.657	2.71	1.0000
New compartment (9) A A A A	10.814	10.814	0.990	13.335	-1.219	2.71	1.0000
New compartment (10)	10.765	10.765	0.988	13.335	-13.403	2.71	1.0000
New compartment (11)	10.814	10.814	0.990	11.049	-10.971	2.71	1.0000
New compartment (11) A	10.814	10.814	0.990	11.049	-8.533	2.72	1.0000
New compartment (11) A A	10.814	10.814	0.990	11.049	-6.095	2.71	1.0000
New compartment (11) A A A	10.814	10.814	0.990	11.049	-3.657	2.71	1.0000
New compartment (11) A A A A	10.814	10.814	0.990	11.049	-1.219	2.71	1.0000
New compartment (12)	10.765	10.765	0.988	11.049	-13.403	2.71	1.0000
New compartment (13)	36.047	36.047	0.990	6.096	-10.971	9.05	1.0000
New compartment (13) A	36.047	36.047	0.990	6.096	-8.533	9.05	1.0000
New compartment (13) A A	36.047	36.047	0.990	6.096	-6.095	9.03	1.0000
New compartment (13) A A A	36.047	36.047	0.990	6.096	-3.657	9.03	1.0000
New compartment (13) A A A A	36.047	36.047	0.990	6.096	-1.219	9.02	1.0000
New compartment (14)	35.883	35.883	0.988	6.096	-13.403	9.04	1.0000
New compartment (15)	10.814	10.814	0.990	1.143	-10.971	2.72	1.0000
New compartment (15) A	10.814	10.814	0.990	1.143	-8.533	2.71	1.0000
New compartment (15) A A	10.814	10.814	0.990	1.143	-6.095	2.71	1.0000
New compartment (15) A A A	10.814	10.814	0.990	1.143	-3.657	2.71	1.0000
New compartment (15) A A A A	10.814	10.814	0.990	1.143	-1.219	2.71	1.0000
New compartment (16)	10.765	10.765	0.988	1.143	-13.403	2.71	1.0000
New compartment (49)	18.024	18.024	0.990	28.575	3.657	4.51	1.0000
New compartment (49) A	18.024	18.024	0.990	28.575	6.095	4.51	1.0000

SUMMARY OF MAXIMUM TANK VOLUMES
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:04:47

Subtotals for group : -

Compartment	Volume	Weight	VCG	LCG	TCG	Mom.In.T	Density
New compartment (49) A A	18.024	18.024	0.990	28.575	8.533	4.52	1.0000
New compartment (49) A A A	18.024	18.024	0.990	28.575	10.971	4.52	1.0000
New compartment (49) A A A A	17.942	17.942	0.988	28.575	13.403	4.52	1.0000
New compartment (50)	18.024	18.024	0.990	28.575	1.219	4.51	1.0000
New compartment (51)	10.814	10.814	0.990	25.527	3.657	2.71	1.0000
New compartment (51) A	10.814	10.814	0.990	25.527	6.095	2.71	1.0000
New compartment (51) A A	10.814	10.814	0.990	25.527	8.533	2.71	1.0000
New compartment (51) A A A	10.814	10.814	0.990	25.527	10.971	2.71	1.0000
New compartment (51) A A A A	10.765	10.765	0.988	25.527	13.403	2.71	1.0000
New compartment (52)	10.814	10.814	0.990	25.527	1.219	2.71	1.0000
New compartment (53)	10.814	10.814	0.990	23.241	3.657	2.71	1.0000
New compartment (53) A	10.814	10.814	0.990	23.241	6.095	2.71	1.0000
New compartment (53) A A	10.814	10.814	0.990	23.241	8.533	2.71	1.0000
New compartment (53) A A A	10.814	10.814	0.990	23.241	10.971	2.71	1.0000
New compartment (53) A A A A	10.765	10.765	0.988	23.241	13.403	2.71	1.0000
New compartment (54)	10.814	10.814	0.990	23.241	1.219	2.71	1.0000
New compartment (55)	36.047	36.047	0.990	18.288	3.657	9.02	1.0000
New compartment (55) A	36.047	36.047	0.990	18.288	6.095	9.04	1.0000
New compartment (55) A A	36.047	36.047	0.990	18.288	8.533	9.05	1.0000
New compartment (55) A A A	36.047	36.047	0.990	18.288	10.971	9.05	1.0000
New compartment (55) A A A A	35.883	35.883	0.988	18.288	13.403	9.04	1.0000
New compartment (56)	36.047	36.047	0.990	18.288	1.219	9.02	1.0000
New compartment (57)	10.814	10.814	0.990	13.335	3.657	2.71	1.0000
New compartment (57) A	10.814	10.814	0.990	13.335	6.095	2.71	1.0000
New compartment (57) A A	10.814	10.814	0.990	13.335	8.533	2.71	1.0000
New compartment (57) A A A	10.814	10.814	0.990	13.335	10.971	2.71	1.0000
New compartment (57) A A A A	10.765	10.765	0.988	13.335	13.403	2.71	1.0000
New compartment (58)	10.814	10.814	0.990	13.335	1.219	2.71	1.0000
New compartment (59)	10.814	10.814	0.990	11.049	3.657	2.71	1.0000
New compartment (59) A	10.814	10.814	0.990	11.049	6.095	2.71	1.0000
New compartment (59) A A	10.814	10.814	0.990	11.049	8.533	2.72	1.0000
New compartment (59) A A A	10.814	10.814	0.990	11.049	10.971	2.71	1.0000
New compartment (59) A A A A	10.765	10.765	0.988	11.049	13.403	2.71	1.0000
New compartment (60)	10.814	10.814	0.990	11.049	1.219	2.71	1.0000
New compartment (61)	36.047	36.047	0.990	6.096	3.657	9.03	1.0000
New compartment (61) A	36.047	36.047	0.990	6.096	6.095	9.03	1.0000
New compartment (61) A A	36.047	36.047	0.990	6.096	8.533	9.05	1.0000
New compartment (61) A A A	36.047	36.047	0.990	6.096	10.971	9.05	1.0000
New compartment (61) A A A A	35.883	35.883	0.988	6.096	13.403	9.04	1.0000
New compartment (62)	36.047	36.047	0.990	6.096	1.219	9.02	1.0000
New compartment (63)	10.814	10.814	0.990	1.143	3.657	2.71	1.0000
New compartment (63) A	10.814	10.814	0.990	1.143	6.095	2.71	1.0000
New compartment (63) A A	10.814	10.814	0.990	1.143	8.533	2.71	1.0000
New compartment (63) A A A	10.814	10.814	0.990	1.143	10.971	2.72	1.0000
New compartment (63) A A A A	10.765	10.765	0.988	1.143	13.403	2.71	1.0000
New compartment (64)	10.814	10.814	0.990	1.143	1.219	2.71	1.0000

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (1)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #1

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.670 m.

Fwd bulkhead ∞ m.

PS bulkhead -12.190 m.

SB bulkhead -9.752 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (1)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #17

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.670 m.

Fwd bulkhead ∞ m.

PS bulkhead -9.752 m.

SB bulkhead -7.314 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (1)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #25

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.670 m.

Fwd bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead -7.314 m.
Lower bulkhead $-\infty$ m.

SB bulkhead -4.876 m.
Upper bulkhead ∞ m.

Compartment: **New compartment (1)|A|A|A|**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: **Subcomp #33**

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.670 m.

Fwd bulkhead ∞ m.

PS bulkhead -4.876 m.

SB bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: **New compartment (1)|A|A|A|A**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: **Subcomp #41**

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.670 m.

Fwd bulkhead ∞ m.

PS bulkhead -2.438 m.

SB bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: **New compartment (2)**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #2

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 26.670 m.

PS bulkhead $-\infty$ m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead ∞ m.

SB bulkhead -12.190 m.

Upper bulkhead ∞ m.

Compartment: New compartment (3)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #3

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 24.384 m.

PS bulkhead -12.190 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 26.670 m.

SB bulkhead -9.752 m.

Upper bulkhead ∞ m.

Compartment: New compartment (3)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #18

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 24.384 m.

PS bulkhead -9.752 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 26.670 m.

SB bulkhead -7.314 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

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Compartment: New compartment (3)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #26

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.670 m.

PS bulkhead -7.314 m.

SB bulkhead -4.876 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (3)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #34

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.670 m.

PS bulkhead -4.876 m.

SB bulkhead -2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (3)|A|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #42

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.670 m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

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PS bulkhead -2.438 m.
Lower bulkhead $-\infty$ m.

SB bulkhead 0.000 m.
Upper bulkhead ∞ m.

Compartment: New compartment (4)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #4

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.670 m.

PS bulkhead $-\infty$ m.

SB bulkhead -12.190 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (5)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #5

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 22.098 m.

Fwd bulkhead 24.384 m.

PS bulkhead -12.190 m.

SB bulkhead -9.752 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (5)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #19

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 22.098 m.

PS bulkhead -9.752 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 24.384 m.

SB bulkhead -7.314 m.

Upper bulkhead ∞ m.

Compartment: New compartment (5)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #27

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 22.098 m.

PS bulkhead -7.314 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 24.384 m.

SB bulkhead -4.876 m.

Upper bulkhead ∞ m.

Compartment: New compartment (5)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #35

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 22.098 m.

PS bulkhead -4.876 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 24.384 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (5)|A|A|A|A

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #43

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 22.098 m.

Fwd bulkhead 24.384 m.

PS bulkhead -2.438 m.

SB bulkhead 0.000 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (6)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #6

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 22.098 m.

Fwd bulkhead 24.384 m.

PS bulkhead -∞ m.

SB bulkhead -12.190 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (7)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #7

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 14.478 m.

Fwd bulkhead 22.098 m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead -12.190 m.
Lower bulkhead $-\infty$ m.

SB bulkhead -9.752 m.
Upper bulkhead ∞ m.

Compartment: New compartment (7)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #20

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 14.478 m.

Fwd bulkhead 22.098 m.

PS bulkhead -9.752 m.

SB bulkhead -7.314 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (7)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #28

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 14.478 m.

Fwd bulkhead 22.098 m.

PS bulkhead -7.314 m.

SB bulkhead -4.876 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (7)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #36

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 14.478 m.

PS bulkhead -4.876 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 22.098 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

Compartment: New compartment (7)|A|A|A|A

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #44

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 14.478 m.

PS bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 22.098 m.

SB bulkhead 0.000 m.

Upper bulkhead ∞ m.

Compartment: New compartment (8)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #8

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 14.478 m.

PS bulkhead $-\infty$ m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 22.098 m.

SB bulkhead -12.190 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (9)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #9

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.478 m.

PS bulkhead -12.190 m.

SB bulkhead -9.752 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (9)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #21

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.478 m.

PS bulkhead -9.752 m.

SB bulkhead -7.314 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (9)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #29

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.478 m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead -7.314 m.
Lower bulkhead $-\infty$ m.

SB bulkhead -4.876 m.
Upper bulkhead ∞ m.

Compartment: **New compartment (9)|A|A|A|**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: **Subcomp #37**

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.478 m.

PS bulkhead -4.876 m.

SB bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: **New compartment (9)|A|A|A|A**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: **Subcomp #45**

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.478 m.

PS bulkhead -2.438 m.

SB bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: **New compartment (10)**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #10

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 12.192 m.

PS bulkhead -∞ m.

Lower bulkhead -∞ m.

Side: no specific side

Fwd bulkhead 14.478 m.

SB bulkhead -12.190 m.

Upper bulkhead ∞ m.

Compartment: New compartment (11)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #11

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 9.906 m.

PS bulkhead -12.190 m.

Lower bulkhead -∞ m.

Side: no specific side

Fwd bulkhead 12.192 m.

SB bulkhead -9.752 m.

Upper bulkhead ∞ m.

Compartment: New compartment (11)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #22

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 9.906 m.

PS bulkhead -9.752 m.

Lower bulkhead -∞ m.

Side: no specific side

Fwd bulkhead 12.192 m.

SB bulkhead -7.314 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (11)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #30

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.906 m.

Fwd bulkhead 12.192 m.

PS bulkhead -7.314 m.

SB bulkhead -4.876 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (11)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #38

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.906 m.

Fwd bulkhead 12.192 m.

PS bulkhead -4.876 m.

SB bulkhead -2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (11)|A|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #46

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.906 m.

Fwd bulkhead 12.192 m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead -2.438 m.
Lower bulkhead $-\infty$ m.

SB bulkhead 0.000 m.
Upper bulkhead ∞ m.

Compartment: New compartment (12)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #12

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.906 m.

Fwd bulkhead 12.192 m.

PS bulkhead $-\infty$ m.

SB bulkhead -12.190 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (13)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #13

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 2.286 m.

Fwd bulkhead 9.906 m.

PS bulkhead -12.190 m.

SB bulkhead -9.752 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (13)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #23

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 2.286 m.

PS bulkhead -9.752 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 9.906 m.

SB bulkhead -7.314 m.

Upper bulkhead ∞ m.

Compartment: New compartment (13)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #31

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 2.286 m.

PS bulkhead -7.314 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 9.906 m.

SB bulkhead -4.876 m.

Upper bulkhead ∞ m.

Compartment: New compartment (13)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #39

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 2.286 m.

PS bulkhead -4.876 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 9.906 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (13)|A|A|A|A

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #47

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 2.286 m.

Fwd bulkhead 9.906 m.

PS bulkhead -2.438 m.

SB bulkhead 0.000 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (14)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #14

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 2.286 m.

Fwd bulkhead 9.906 m.

PS bulkhead -∞ m.

SB bulkhead -12.190 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (15)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #15

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead -∞ m.

Fwd bulkhead 2.286 m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead -12.190 m.
Lower bulkhead -∞ m.

SB bulkhead -9.752 m.
Upper bulkhead ∞ m.

Compartment: New compartment (15)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #24

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead -∞ m.

Fwd bulkhead 2.286 m.

PS bulkhead -9.752 m.

SB bulkhead -7.314 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (15)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #32

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead -∞ m.

Fwd bulkhead 2.286 m.

PS bulkhead -7.314 m.

SB bulkhead -4.876 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (15)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #40

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead $-\infty$ m.

PS bulkhead -4.876 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 2.286 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

Compartment: New compartment (15)|A|A|A|A

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #48

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead $-\infty$ m.

PS bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 2.286 m.

SB bulkhead 0.000 m.

Upper bulkhead ∞ m.

Compartment: New compartment (16)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #16

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead $-\infty$ m.

PS bulkhead $-\infty$ m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 2.286 m.

SB bulkhead -12.190 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (49)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #49

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.670 m.

Fwd bulkhead ∞ m.

PS bulkhead 2.438 m.

SB bulkhead 4.876 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (49)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #65

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.670 m.

Fwd bulkhead ∞ m.

PS bulkhead 4.876 m.

SB bulkhead 7.314 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (49)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #73

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.670 m.

Fwd bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead 7.314 m.
Lower bulkhead $-\infty$ m.

SB bulkhead 9.752 m.
Upper bulkhead ∞ m.

Compartment: **New compartment (49)|A|A|A|**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: **Subcomp #81**

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.670 m.

Fwd bulkhead ∞ m.

PS bulkhead 9.752 m.

SB bulkhead 12.190 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: **New compartment (49)|A|A|A|A**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: **Subcomp #89**

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.670 m.

Fwd bulkhead ∞ m.

PS bulkhead 12.190 m.

SB bulkhead ∞ m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: **New compartment (50)**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #50

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 26.670 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead ∞ m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

Compartment: New compartment (51)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #51

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 24.384 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 26.670 m.

SB bulkhead 4.876 m.

Upper bulkhead ∞ m.

Compartment: New compartment (51)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #66

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 24.384 m.

PS bulkhead 4.876 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 26.670 m.

SB bulkhead 7.314 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (51)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #74

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.670 m.

PS bulkhead 7.314 m.

SB bulkhead 9.752 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (51)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #82

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.670 m.

PS bulkhead 9.752 m.

SB bulkhead 12.190 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (51)|A|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #90

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.670 m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead 12.190 m.
Lower bulkhead $-\infty$ m.

SB bulkhead ∞ m.
Upper bulkhead ∞ m.

Compartment: New compartment (52)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #52

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.670 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (53)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #53

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 22.098 m.

Fwd bulkhead 24.384 m.

PS bulkhead 2.438 m.

SB bulkhead 4.876 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (53)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #67

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 22.098 m.

PS bulkhead 4.876 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 24.384 m.

SB bulkhead 7.314 m.

Upper bulkhead ∞ m.

Compartment: New compartment (53)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #75

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 22.098 m.

PS bulkhead 7.314 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 24.384 m.

SB bulkhead 9.752 m.

Upper bulkhead ∞ m.

Compartment: New compartment (53)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #83

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 22.098 m.

PS bulkhead 9.752 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 24.384 m.

SB bulkhead 12.190 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (53)|A|A|A|A

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #91

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 22.098 m.

Fwd bulkhead 24.384 m.

PS bulkhead 12.190 m.

SB bulkhead ∞ m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (54)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #54

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 22.098 m.

Fwd bulkhead 24.384 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (55)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #55

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 14.478 m.

Fwd bulkhead 22.098 m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead 2.438 m.
Lower bulkhead $-\infty$ m.

SB bulkhead 4.876 m.
Upper bulkhead ∞ m.

Compartment: New compartment (55)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #68

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 14.478 m.

Fwd bulkhead 22.098 m.

PS bulkhead 4.876 m.

SB bulkhead 7.314 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (55)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #76

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 14.478 m.

Fwd bulkhead 22.098 m.

PS bulkhead 7.314 m.

SB bulkhead 9.752 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (55)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #84

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 14.478 m.

PS bulkhead 9.752 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 22.098 m.

SB bulkhead 12.190 m.

Upper bulkhead ∞ m.

Compartment: New compartment (55)|A|A|A|A

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #92

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 14.478 m.

PS bulkhead 12.190 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 22.098 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (56)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #56

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 14.478 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 22.098 m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (57)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #57

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.478 m.

PS bulkhead 2.438 m.

SB bulkhead 4.876 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (57)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #69

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.478 m.

PS bulkhead 4.876 m.

SB bulkhead 7.314 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (57)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #77

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.478 m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead 7.314 m.
Lower bulkhead $-\infty$ m.

SB bulkhead 9.752 m.
Upper bulkhead ∞ m.

Compartment: **New compartment (57)|A|A|A|**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: **Subcomp #85**

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.478 m.

PS bulkhead 9.752 m.

SB bulkhead 12.190 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: **New compartment (57)|A|A|A|A|**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: **Subcomp #93**

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.478 m.

PS bulkhead 12.190 m.

SB bulkhead ∞ m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: **New compartment (58)**

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #58

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 12.192 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 14.478 m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

Compartment: New compartment (59)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #59

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 9.906 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 12.192 m.

SB bulkhead 4.876 m.

Upper bulkhead ∞ m.

Compartment: New compartment (59)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #70

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 9.906 m.

PS bulkhead 4.876 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 12.192 m.

SB bulkhead 7.314 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (59)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #78

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.906 m.

Fwd bulkhead 12.192 m.

PS bulkhead 7.314 m.

SB bulkhead 9.752 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (59)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #86

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.906 m.

Fwd bulkhead 12.192 m.

PS bulkhead 9.752 m.

SB bulkhead 12.190 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (59)|A|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #94

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.906 m.

Fwd bulkhead 12.192 m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead 12.190 m.
Lower bulkhead $-\infty$ m.

SB bulkhead ∞ m.
Upper bulkhead ∞ m.

Compartment: New compartment (60)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #60

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.906 m.

Fwd bulkhead 12.192 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (61)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #61

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 2.286 m.

Fwd bulkhead 9.906 m.

PS bulkhead 2.438 m.

SB bulkhead 4.876 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: New compartment (61)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #71

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 2.286 m.

PS bulkhead 4.876 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 9.906 m.

SB bulkhead 7.314 m.

Upper bulkhead ∞ m.

Compartment: New compartment (61)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #79

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 2.286 m.

PS bulkhead 7.314 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 9.906 m.

SB bulkhead 9.752 m.

Upper bulkhead ∞ m.

Compartment: New compartment (61)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #87

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 2.286 m.

PS bulkhead 9.752 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 9.906 m.

SB bulkhead 12.190 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Compartment: New compartment (61)|A|A|A|A

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #95

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 2.286 m.

Fwd bulkhead 9.906 m.

PS bulkhead 12.190 m.

SB bulkhead ∞ m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (62)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #62

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 2.286 m.

Fwd bulkhead 9.906 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (63)|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #63

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead -∞ m.

Fwd bulkhead 2.286 m.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

PS bulkhead 2.438 m.
Lower bulkhead -∞ m.

SB bulkhead 4.876 m.
Upper bulkhead ∞ m.

Compartment: New compartment (63)|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #72

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead -∞ m.

Fwd bulkhead 2.286 m.

PS bulkhead 4.876 m.

SB bulkhead 7.314 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (63)|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #80

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead -∞ m.

Fwd bulkhead 2.286 m.

PS bulkhead 7.314 m.

SB bulkhead 9.752 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (63)|A|A|A|

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 30.48x29.26x1.98m

02 Mar 2024 21:05:54

Subcompartment: Subcomp #88

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead $-\infty$ m.

PS bulkhead 9.752 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 2.286 m.

SB bulkhead 12.190 m.

Upper bulkhead ∞ m.

Compartment: New compartment (63)|A|A|A|A

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #96

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead $-\infty$ m.

PS bulkhead 12.190 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 2.286 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

Compartment: New compartment (64)

Last modification: 02 Mar 2024 21:04:02

Design density : 1.0000 ton/m³

Design weight group: -

Compartment is part of the watertight layout.

Subcompartment: Subcomp #64

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead $-\infty$ m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 2.286 m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

9. NR612 RULES HARBOUR EQUIPMENT

Parts of the NR612 regulations.

BUREAU VERITAS RULES FOR THE CLASSIFICATION OF HARBOUR EQUIPMENT

NR612 - MARCH 2023

NR612 DT R01 MARCH 2023 takes precedence over previous revision.

The PDF electronic version of this document available at the Bureau Veritas Marine & Offshore website <https://marine-offshore.bureauveritas.com/> is the official version and shall prevail if there are any inconsistencies between the PDF version and any other available version.

These rules are provided within the scope of the Bureau Veritas Marine & Offshore General Conditions, enclosed at the end of Part A of NR467, Rules for the Classification of Steel Ships. The current version of these General Conditions is available at the Bureau Veritas Marine & Offshore website.

PART A CLASSIFICATION AND SURVEYS

PART B HULL AND STABILITY

PART C MACHINERY, SYSTEMS AND ELECTRICITY,

PART D ADDITIONAL REQUIREMENTS FOR NOTATIONS

REFERENCE DOCUMENT
NR612 DT R01 MARCH 2023

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7.3 Intact stability

7.3.1 It is to be confirmed that, when account has been taken of the combined action of heeling moments defined in [7.2]:

- the residual safety clearance is not less than:
 - 0,30 m for weathertight apertures
 - 0,40 m for unprotected openings
- the residual freeboard value is at least 0,30 m
the residual freeboard may be reduced if it is proven that the requirements of [7.4] or [7.5], as the case may be, have been met.

The angle of list is not to exceed 10° and the base of the hull shall not emerge.

7.4 Intact stability in case of reduced residual freeboard - Harbour equipment not intended for passengers

7.4.1 If a reduced residual freeboard is taken into account, it is to be checked, for all operating conditions, that:

- a) After correction for the free surfaces of liquids, the metacentric height GM is not less than 0,15 m
- b) For list angles between 0° and 30°, there is a righting lever, in m, of at least:
 $h = 0,30 - 0,28 \varphi_n$

c) The list angle does not exceed 10°

d) The residual safety clearance value is, at least:

- 0,30 m for weathertight openings
- 0,40 m for unprotected openings

e) The residual freeboard is at least 0,05 m

f) For list angles between 0° and 30°, the residual righting lever arm, in m, is at least:

$$h = 0,20 - 0,23 \varphi_n$$

Residual righting lever arm means the maximum difference existing between 0° and 30° list between the righting lever and the heeling lever curves. If an opening towards the inside of the floating equipment is immersed at a list angle less than the one corresponding to the maximum difference between the lever arm curves, the lever arm corresponding to that list angle is to be taken into account.

where:

φ_n : List angle, in radian, from which the righting lever arm curve displays negative values; this is not to be inserted into the formula for more than 30° or 0,52 rad.

7.5 Intact stability in case of reduced residual freeboard - Harbour equipment intended for passengers

7.5.1 If a reduced residual freeboard is taken into account, it is to be checked, for all operating conditions, that:

- a) After correction for the free surfaces of liquids, the metacentric height GM is not less than 0,15 m
- b) The maximum righting lever arm h_{max} is to occur at a list angle of $\varphi_{max} \geq (\varphi_{mom} + 3^\circ)$ and is not to be less than 0,20 m. However, in case $\varphi_i < \varphi_{max}$ the righting lever arm at the downflooding angle φ_i is not to be less than 0,20 m.
- c) The list angle does not exceed 10°
- d) The residual safety clearance value is, at least:
 - 0,30 m for weathertight openings
 - 0,40 m for unprotected openings
- e) The residual freeboard is at least 0,05 m
- f) The area A under the curve of the righting lever arm is to reach 0,05 m.rad up to the angle φ_i .

where:

φ_i : List angle, at which openings in the hull which cannot be closed so as to be weathertight, submerge
 $\varphi_i \leq 15^\circ$

φ_{max} : List angle at which the maximum righting lever arm occurs

φ_{mom} : List angle due to the combined action of heeling moments defined in [7.2].

7.6 Damage stability

7.6.1 Where the floating landing dock is intended for passengers, proof of appropriate damage stability is to be furnished according to [7.6.5] and [7.6.6].

7.6.2 Floating landing dock is to comply with the one-compartment status, taking into account the assumptions concerning the extent of damage given in Tab 8 and assuming the compartment permeability to be 95%.

7.6.3 The bulkheads can be assumed to be intact if the distance between two adjacent bulkheads is greater than the damage length. Longitudinal bulkheads at a distance of less than $B/3$ measured rectangular to centre line from the shell plating at the maximum draught plane is not to be taken into account for calculation purposes.

7.6.4 If damage of a smaller dimension than specified in [7.6.2] produces more detrimental effects with respect to heeling or loss of metacentric height, such damage is to be taken into account for calculation purposes.

7.6.5 Under the combined action of heeling moments defined in [7.2], the residual freeboard and the residual safety clearance are not less than 0,10 m.

7.6.6 For safety reasons, greater values of the residual safety clearance or residual freeboard may be required by the Society.

Table 8 : Extent of damage, in m

Damage location	Dimension of the damage	
Wall	Longitudinal ℓ	$0,1 L_{WL} \geq 4$ (1)
	Transverse b	$B/5$
	Vertical h	From unit bottom to top without delimitation
Bottom (3)	Longitudinal ℓ	$0,1 L_{WL} \geq 4$ (1)
	Transverse b	$B/5$
	Vertical h	0,59; pipework is to be deemed intact (2)
<p>(1) For units with $L_{WL} \leq 25$, smaller values of the damage extent may be accepted by the Society on a case-by-case basis.</p> <p>(2) Where a pipework system has no open outlet in a compartment, the pipework shall be regarded as intact in the event of this compartment being damaged, if it runs within the safe area and is more than 0,50 m off the bottom of the unit.</p> <p>(3) May be disregarded if the water stretch level is relatively constant (e.g., no season or tide effect).</p>		