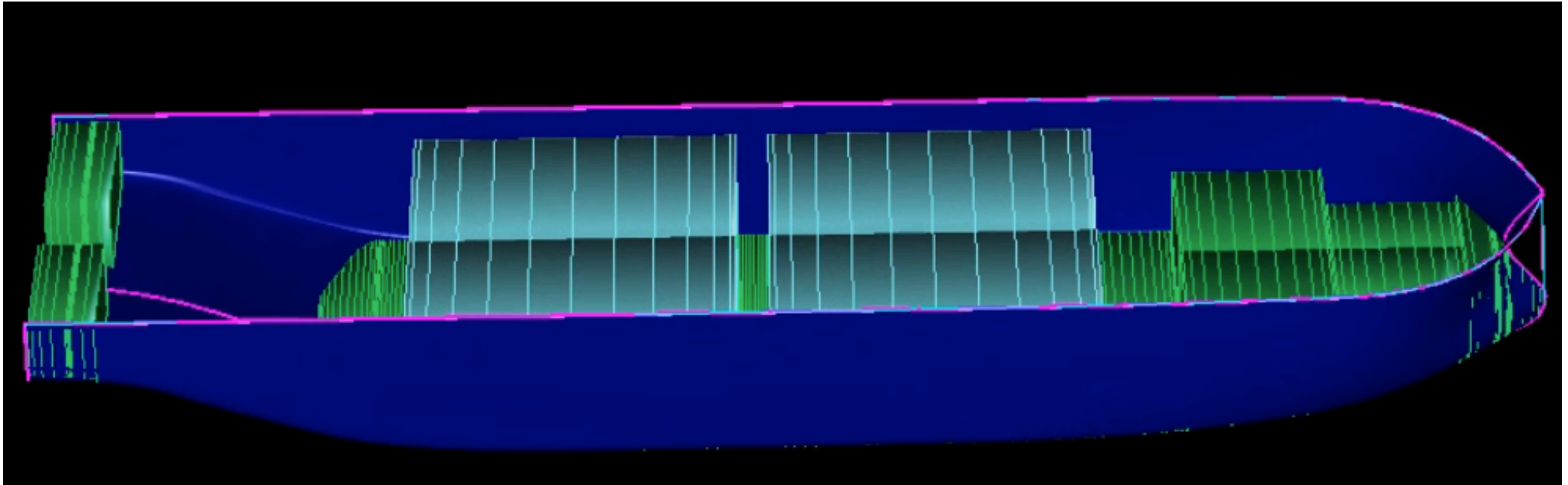


Vedlegg Maxsurf Stability



Figur 1 - Skrogform med tanker

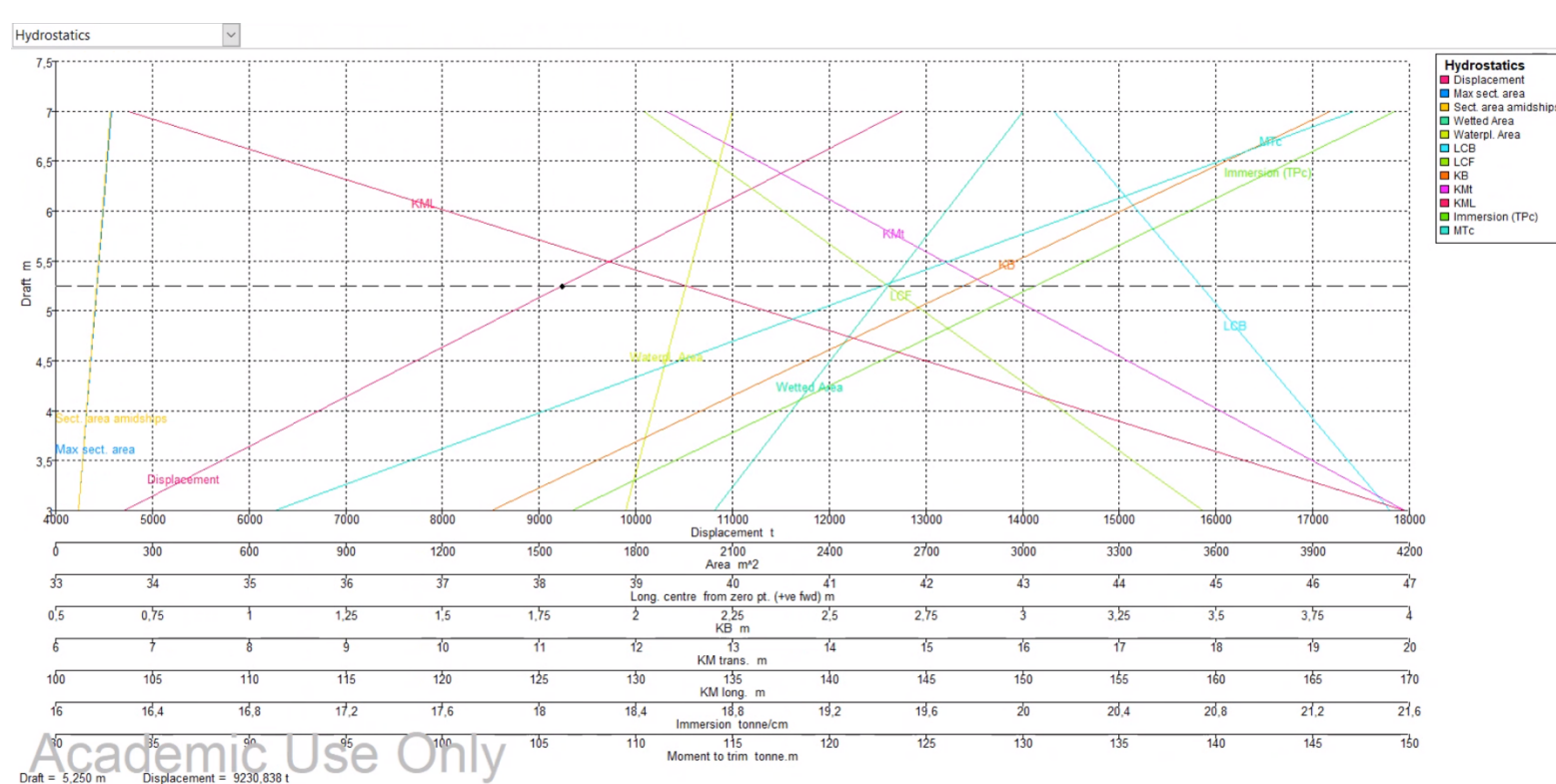
Hydrostatics

	Name	Type	Intact Perm. %	Damaged Perm. %	Specific gravity	Fluid type	Boundary Surfaces	Aft m	Fore m	F.Port m	F.Stbd. m	F.Top m	F.Bott. m	A.Port m	A.Stbd. m	A.Top m	A.Bott. m	Formed
1	Fish hold aft 2	Tank	100	100	1	Fresh Wate	none	19	38,5	0,7	11,7	8,25	1,25	DITTO	DITTO	DITTO	DITTO	Yes
2	Fish hold aft. 1	Tank	100	100	1	Fresh Wate	none	19	38,5	-11,7	-0,7	8,25	1,25	DITTO	DITTO	DITTO	DITTO	Yes
3	Fish hold fwd.2	Tank	100	100	1	Fresh Wate	none	40,5	60	0,7	11,7	8,25	1,25	DITTO	DITTO	DITTO	DITTO	Yes
4	Fish hold fwd.1	Tank	100	100	1	Fresh Wate	none	40,5	60	-11,7	-0,7	8,25	1,25	DITTO	DITTO	DITTO	DITTO	Yes
5	FP	Tank	100	100	1,025	Sea Water	none	82	87,019	-13	13	6,25	1,25	DITTO	DITTO	DITTO	DITTO	Yes
6	Ballast Big fwd	Tank	100	100	1,025	Sea Water	none	74	82	-5,42	0	6,25	1,25	DITTO	DITTO	DITTO	DITTO	Yes
7	Ballast Big fwd	Tank	100	100	1,025	Sea Water	none	74	82	0	5,42	6,25	1,25	DITTO	DITTO	DITTO	DITTO	Yes
8	Ballast Big aft	Tank	100	100	1,025	Sea Water	none	65	74	-9,65	0	6,25	1,25	DITTO	DITTO	DITTO	DITTO	Yes
9	Ballast Big aft	Tank	100	100	1,025	Sea Water	none	65	74	0	9,65	6,25	1,25	DITTO	DITTO	DITTO	DITTO	Yes
10	Fuel fwd 2	Tank	100	100	0,9443	Fuel Oil	none	52,8	60	0	11,7	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
11	Fuel aft 2	Tank	100	100	0,9443	Fuel Oil	none	45,6	52,8	0	11,7	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
12	Fuel fwd. 1	Tank	100	100	0,9443	Fuel Oil	none	52,8	60	-11,7	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
13	Fuel aft. 1	Tank	100	100	0,9443	Fuel Oil	none	45,6	52,8	-11,7	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
14	Ballast aft 2	Tank	100	100	1,025	Sea Water	none	-3	1	2,45	12,5	9,45	5	DITTO	DITTO	DITTO	DITTO	Yes
15	Ballast aft. 1	Tank	100	100	1,025	Sea Water	none	-3	1	-12,5	-2,45	9,45	5	DITTO	DITTO	DITTO	DITTO	Yes
16	Ballast 1	Tank	100	100	1,025	Sea Water	none	77,3	82	-4,13	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
17	Ballast 2	Tank	100	100	1,025	Sea Water	none	77,3	82	0	4,13	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
18	Ballast 3	Tank	100	100	1,025	Sea Water	none	72,5	77,3	-7,64	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
19	Ballast 4	Tank	100	100	1,025	Sea Water	none	72,5	77,3	0	7,64	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
20	Ballast 5	Tank	100	100	1,025	Sea Water	none	67,7	72,5	-9,62	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
21	Ballast 6	Tank	100	100	1,025	Sea Water	none	67,7	72,5	0	9,62	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
22	Ballast 7	Tank	100	100	1,025	Sea Water	none	65	67,7	-10,4	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
23	Ballast 8	Tank	100	100	1,025	Sea Water	none	65	67,7	0	10,4	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
24	Ballast 9	Tank	100	100	1,025	Sea Water	none	60	65	-11,19	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
25	Ballast 10	Tank	100	100	1,025	Sea Water	none	60	65	0	11,19	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
26	Ballast 11	Tank	100	100	1,025	Sea Water	none	40,5	45,6	-11,7	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
27	Ballast 12	Tank	100	100	1,025	Sea Water	none	40,5	45,6	0	11,7	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
28	Ballast 13	Tank	100	100	1,025	Sea Water	none	38,5	40,5	-11,7	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
29	Ballast 14	Tank	100	100	1,025	Sea Water	none	38,5	40,5	0	11,7	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
30	Ballast 15	Tank	100	100	1,025	Sea Water	none	33,4	38,5	-11,7	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
31	Ballast 16	Tank	100	100	1,025	Sea Water	none	33,4	38,5	0	11,7	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
32	Ballast 17	Tank	100	100	1,025	Sea Water	none	26,2	33,4	-11,7	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
33	Ballast 18	Tank	100	100	1,025	Sea Water	none	26,2	33,4	0	11,7	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
34	Ballast 19	Tank	100	100	1,025	Sea Water	none	19	26,2	-11,7	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
35	Ballast 20	Tank	100	100	1,025	Sea Water	none	19	26,2	0	11,7	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
36	Ballast 21	Tank	100	100	1,025	Sea Water	none	16,6	19	-11,7	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
37	Ballast 22	Tank	100	100	1,025	Sea Water	none	16,6	19	0	11,7	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
38	Ballast 23	Tank	100	100	1,025	Sea Water	none	13,2	16,6	-11,7	0	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes
39	Ballast 24	Tank	100	100	1,025	Sea Water	none	13,2	16,6	0	11,7	1,25	0	DITTO	DITTO	DITTO	DITTO	Yes

Figur 2 - Bilde over tankarrangement

	Draft Amidships m	7,000
1	Displacement t	12750
2	Heel deg	0,0
3	Draft at FP m	7,000
4	Draft at AP m	7,000
5	Draft at LCF m	7,000
6	Trim (+ve by stern)	0,000
7	WL Length m	87,506
8	Beam max extents	25,188
9	Wetted Area m^2	2999,8
10	Waterpl. Area m^2	2101,3
11	Prismatic coeff. (Cp)	0,825
12	Block coeff. (Cb)	0,797
13	Max Sect. area coe	0,973
14	Waterpl. area coeff.	0,953
15	LCB from zero pt. (	43,327
16	LCF from zero pt. (	39,080
17	KB m	3,796
18	KG m	7,000
19	BMt m	8,524
20	BML m	99,991
21	GMt m	5,320
22	GML m	96,786
23	KMt m	12,320
24	KML m	103,78
25	Immersion (TPc) to	21,539
26	MTc tonne.m	147,09
27	RM at 1deg = GMt.	1183,7
28	Max deck inclinatio	0,0000
29	Trim angle (+ve by	0,0000

Figur 4 - Verdier fra hydrostatisk tabel



Figur 3 - Graf som viser forholdet mellom Hydrostatiske verdier

Tankarrangemet

	Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m ³	Total Volume m ³	Long. Arm m	Trans. Arm m	Vert. Arm m	Total FSM tonne.m	FSM Type
93	Fish hold aft.2	100%	1501,500	1501,500	1501,500	1501,500	28,750	6,200	4,750	0,000	Maximum
94	Fish hold aft.1	100%	1501,500	1501,500	1501,500	1501,500	28,750	-6,200	4,750	0,000	Maximum
95	Fish hold fwd.2	100%	1501,500	1501,500	1501,500	1501,500	50,250	6,200	4,750	0,000	Maximum
96	Fish hold fwd.1	100%	1501,500	1501,500	1501,500	1501,500	50,250	-6,200	4,750	0,000	Maximum
97	FP	100%	122,903	122,903	119,906	119,906	83,420	0,000	3,563	0,000	Maximum
98	Ballast Big fwd	100%	222,120	222,120	216,702	216,702	77,999	-2,709	3,751	0,000	Maximum
99	Ballast Big fwd	100%	222,120	222,120	216,702	216,702	77,999	2,709	3,751	0,000	Maximum
100	Ballast Big aft	100%	445,106	445,106	434,250	434,250	69,500	-4,825	3,750	0,000	Maximum
101	Ballast Big aft	100%	445,106	445,106	434,250	434,250	69,500	4,825	3,750	0,000	Maximum
102	Fuel fwd.2	100%	94,502	94,502	100,077	100,077	56,409	5,921	0,655	0,000	Maximum
103	Fuel aft.2	100%	92,782	92,782	98,254	98,254	49,213	5,960	0,665	0,000	Maximum
104	Fuel fwd.1	100%	94,502	94,502	100,077	100,077	56,409	-5,921	0,655	0,000	Maximum
105	Fuel aft.1	100%	92,782	92,782	98,254	98,254	49,213	-5,960	0,665	0,000	Maximum
106	Ballast aft.2	100%	158,522	158,522	154,656	154,656	-0,933	7,298	7,475	0,000	Maximum
107	Ballast aft.1	100%	158,522	158,522	154,656	154,656	-0,933	-7,298	7,475	0,000	Maximum
108	Ballast 1	100%	21,959	21,959	21,424	21,424	79,516	-1,991	0,688	0,000	Maximum
109	Ballast 2	100%	21,959	21,959	21,424	21,424	79,516	1,991	0,688	0,000	Maximum
110	Ballast 3	100%	44,999	44,999	43,902	43,902	74,857	-3,693	0,646	0,000	Maximum
111	Ballast 4	100%	44,999	44,999	43,902	43,902	74,857	3,693	0,646	0,000	Maximum
112	Ballast 5	100%	57,583	57,583	56,178	56,178	70,086	-4,715	0,640	0,000	Maximum
113	Ballast 6	100%	57,583	57,583	56,178	56,178	70,086	4,715	0,640	0,000	Maximum
114	Ballast 7	100%	35,200	35,200	34,341	34,341	66,349	-5,170	0,638	0,000	Maximum
115	Ballast 8	100%	35,200	35,200	34,341	34,341	66,349	5,170	0,638	0,000	Maximum
116	Ballast 9	100%	69,327	69,327	67,636	67,636	62,500	-5,605	0,644	0,000	Maximum
117	Ballast 10	100%	69,327	69,327	67,636	67,636	62,500	5,605	0,644	0,000	Maximum
118	Ballast 11	100%	69,927	69,927	68,221	68,221	43,058	-5,948	0,677	0,000	Maximum
119	Ballast 12	100%	69,927	69,927	68,221	68,221	43,058	5,948	0,677	0,000	Maximum
120	Ballast 13	100%	27,089	27,089	26,428	26,428	39,501	-5,926	0,684	0,000	Maximum
121	Ballast 14	100%	27,089	27,089	26,428	26,428	39,501	5,926	0,684	0,000	Maximum
122	Ballast 15	100%	68,311	68,311	66,645	66,645	35,957	-5,893	0,690	0,000	Maximum
123	Ballast 16	100%	68,311	68,311	66,645	66,645	35,957	5,893	0,690	0,000	Maximum
124	Ballast 17	100%	93,674	93,674	91,389	91,389	29,835	-5,801	0,706	0,000	Maximum
125	Ballast 18	100%	93,674	93,674	91,389	91,389	29,835	5,801	0,706	0,000	Maximum
126	Ballast 19	100%	80,370	80,370	78,409	78,409	22,774	-5,509	0,776	0,000	Maximum
127	Ballast 20	100%	80,370	80,370	78,409	78,409	22,774	5,509	0,776	0,000	Maximum
128	Ballast 21	100%	19,073	19,073	18,608	18,608	17,867	-4,921	0,890	0,000	Maximum
129	Ballast 22	100%	19,073	19,073	18,608	18,608	17,867	4,921	0,890	0,000	Maximum
130	Ballast 23	100%	11,832	11,832	11,544	11,544	15,396	-3,770	1,006	0,000	Maximum

Figur 5 - Tank konfigurasjon lastkondisjon fulle tanker

	Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m ³	Total Volume m ³	Long. Arm m	Trans. Arm m	Vert. Arm m	Total FSM tonne.m	FSM Type
93	Fish hold aft. 2	0%	1501,500	0,000	1501,500	0,000	19,111	6,200	1,250	0,000	Maximum
94	Fish hold aft. 1	0%	1501,500	0,000	1501,500	0,000	19,111	-6,200	1,250	0,000	Maximum
95	Fish hold fwd. 2	0%	1501,500	0,000	1501,500	0,000	40,611	6,200	1,250	0,000	Maximum
96	Fish hold fwd. 1	0%	1501,500	0,000	1501,500	0,000	40,611	-6,200	1,250	0,000	Maximum
97	FP	100%	122,903	122,903	119,906	119,906	83,420	0,000	3,563	0,000	Maximum
98	Ballast Big fwd	100%	222,120	222,120	216,702	216,702	77,999	-2,709	3,751	0,000	Maximum
99	Ballast Big fwd	100%	222,120	222,120	216,702	216,702	77,999	2,709	3,751	0,000	Maximum
100	Ballast Big aft	0%	445,106	0,000	434,250	0,000	65,051	-4,825	1,250	0,000	Maximum
101	Ballast Big aft	0%	445,106	0,000	434,250	0,000	65,051	4,825	1,250	0,000	Maximum
102	Fuel fwd. 2	100%	94,502	94,502	100,077	100,077	56,409	5,921	0,655	0,000	Maximum
103	Fuel aft. 2	100%	92,782	92,782	98,254	98,254	49,213	5,960	0,665	0,000	Maximum
104	Fuel fwd. 1	100%	94,502	94,502	100,077	100,077	56,409	-5,921	0,655	0,000	Maximum
105	Fuel aft. 1	100%	92,782	92,782	98,254	98,254	49,213	-5,960	0,665	0,000	Maximum
106	Ballast aft. 2	100%	158,522	158,522	154,656	154,656	-0,933	7,298	7,475	0,000	Maximum
107	Ballast aft. 1	100%	158,522	158,522	154,656	154,656	-0,933	-7,298	7,475	0,000	Maximum
108	Ballast 1	0%	21,959	0,000	21,424	0,000	77,327	-2,119	0,000	0,000	Maximum
109	Ballast 2	0%	21,959	0,000	21,424	0,000	77,327	2,119	0,000	0,000	Maximum
110	Ballast 3	100%	44,999	44,999	43,902	43,902	74,857	-3,693	0,646	0,000	Maximum
111	Ballast 4	100%	44,999	44,999	43,902	43,902	74,857	3,693	0,646	0,000	Maximum
112	Ballast 5	100%	57,583	57,583	56,178	56,178	70,086	-4,715	0,640	0,000	Maximum
113	Ballast 6	100%	57,583	57,583	56,178	56,178	70,086	4,715	0,640	0,000	Maximum
114	Ballast 7	100%	35,200	35,200	34,341	34,341	66,349	-5,170	0,638	0,000	Maximum
115	Ballast 8	100%	35,200	35,200	34,341	34,341	66,349	5,170	0,638	0,000	Maximum
116	Ballast 9	100%	69,327	69,327	67,636	67,636	62,500	-5,605	0,644	0,000	Maximum
117	Ballast 10	100%	69,327	69,327	67,636	67,636	62,500	5,605	0,644	0,000	Maximum
118	Ballast 11	100%	69,927	69,927	68,221	68,221	43,058	-5,948	0,677	0,000	Maximum
119	Ballast 12	100%	69,927	69,927	68,221	68,221	43,058	5,948	0,677	0,000	Maximum
120	Ballast 13	100%	27,089	27,089	26,428	26,428	39,501	-5,926	0,684	0,000	Maximum
121	Ballast 14	100%	27,089	27,089	26,428	26,428	39,501	5,926	0,684	0,000	Maximum
122	Ballast 15	100%	68,311	68,311	66,645	66,645	35,957	-5,893	0,690	0,000	Maximum
123	Ballast 16	100%	68,311	68,311	66,645	66,645	35,957	5,893	0,690	0,000	Maximum
124	Ballast 17	100%	93,674	93,674	91,389	91,389	29,835	-5,801	0,706	0,000	Maximum
125	Ballast 18	100%	93,674	93,674	91,389	91,389	29,835	5,801	0,706	0,000	Maximum
126	Ballast 19	0%	80,370	0,000	78,409	0,000	19,041	-0,001	0,065	0,000	Maximum
127	Ballast 20	0%	80,370	0,000	78,409	0,000	19,041	0,001	0,065	0,000	Maximum
128	Ballast 21	0%	19,073	0,000	18,608	0,000	18,933	-0,001	0,208	0,000	Maximum
129	Ballast 22	0%	19,073	0,000	18,608	0,000	18,933	0,001	0,208	0,000	Maximum
130	Ballast 23	0%	11,832	0,000	11,544	0,000	16,581	-0,002	0,374	0,000	Maximum
131	Ballast 24	0%	11,832	0,000	11,544	0,000	16,581	0,002	0,374	0,000	Maximum

Figur 6 - Tank konfigurasjon tomme brønner, med ballast

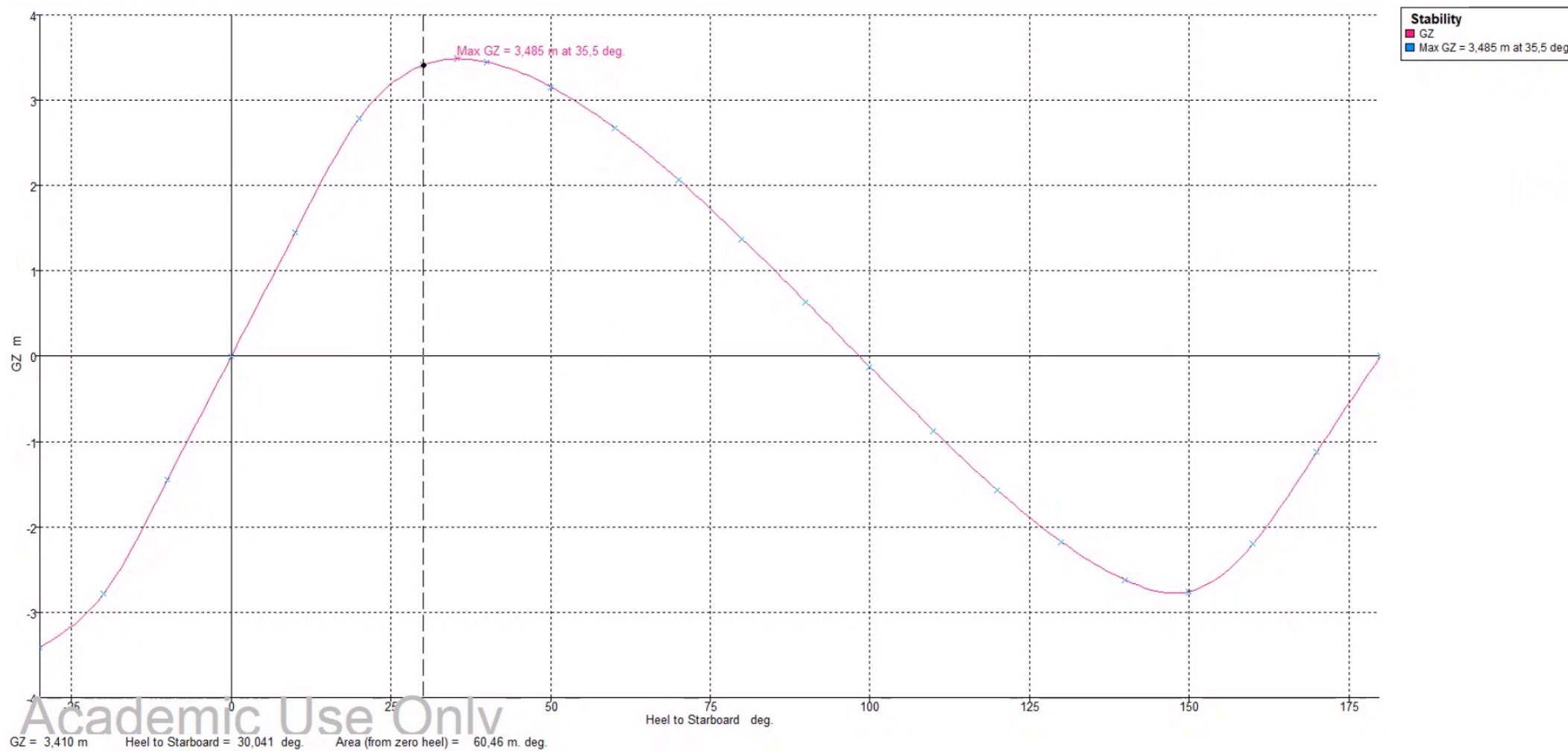
	Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Total FSM tonne.m	FSM Type
93	Fish hold aft. 2	0%	1501,500	0,000	1501,500	0,000	19,111	6,200	1,250	0,000	Maximum
94	Fish hold aft. 1	0%	1501,500	0,000	1501,500	0,000	19,111	-6,200	1,250	0,000	Maximum
95	Fish hold fwd. 2	0%	1501,500	0,000	1501,500	0,000	40,611	6,200	1,250	0,000	Maximum
96	Fish hold fwd. 1	0%	1501,500	0,000	1501,500	0,000	40,611	-6,200	1,250	0,000	Maximum
97	FP	0%	122,903	0,000	119,906	0,000	82,164	0,000	1,250	0,000	Maximum
98	Ballast Big fwd	0%	222,120	0,000	216,702	0,000	74,046	-2,710	1,250	0,000	Maximum
99	Ballast Big fwd	0%	222,120	0,000	216,702	0,000	74,046	2,710	1,250	0,000	Maximum
100	Ballast Big aft	0%	445,106	0,000	434,250	0,000	65,051	-4,825	1,250	0,000	Maximum
101	Ballast Big aft	0%	445,106	0,000	434,250	0,000	65,051	4,825	1,250	0,000	Maximum
102	Fuel fwd 2	0%	94,502	0,000	100,077	0,000	52,841	9,440	0,000	0,000	Maximum
103	Fuel aft 2	100%	92,782	92,782	98,254	98,254	49,213	5,960	0,665	0,000	Maximum
104	Fuel fwd. 1	0%	94,502	0,000	100,077	0,000	52,841	-9,440	0,000	0,000	Maximum
105	Fuel aft. 1	100%	92,782	92,782	98,254	98,254	49,213	-5,960	0,665	0,000	Maximum
106	Ballast aft. 2	0%	158,522	0,000	154,656	0,000	0,776	2,465	5,000	0,000	Maximum
107	Ballast aft. 1	0%	158,522	0,000	154,656	0,000	0,776	-2,465	5,000	0,000	Maximum
108	Ballast 1	0%	21,959	0,000	21,424	0,000	77,327	-2,119	0,000	0,000	Maximum
109	Ballast 2	0%	21,959	0,000	21,424	0,000	77,327	2,119	0,000	0,000	Maximum
110	Ballast 3	0%	44,999	0,000	43,902	0,000	72,528	-3,307	0,000	0,000	Maximum
111	Ballast 4	0%	44,999	0,000	43,902	0,000	72,528	3,307	0,000	0,000	Maximum
112	Ballast 5	0%	57,583	0,000	56,178	0,000	67,728	-4,819	0,000	0,000	Maximum
113	Ballast 6	0%	57,583	0,000	56,178	0,000	67,728	4,819	0,000	0,000	Maximum
114	Ballast 7	0%	35,200	0,000	34,341	0,000	65,016	-6,396	0,000	0,000	Maximum
115	Ballast 8	0%	35,200	0,000	34,341	0,000	65,016	6,396	0,000	0,000	Maximum
116	Ballast 9	0%	69,327	0,000	67,636	0,000	60,029	-8,731	0,000	0,000	Maximum
117	Ballast 10	0%	69,327	0,000	67,636	0,000	60,029	8,731	0,000	0,000	Maximum
118	Ballast 11	0%	69,927	0,000	68,221	0,000	40,529	-10,357	0,000	0,000	Maximum
119	Ballast 12	0%	69,927	0,000	68,221	0,000	40,529	10,357	0,000	0,000	Maximum
120	Ballast 13	0%	27,089	0,000	26,428	0,000	38,512	-10,496	0,025	0,000	Maximum
121	Ballast 14	0%	27,089	0,000	26,428	0,000	38,512	10,496	0,025	0,000	Maximum
122	Ballast 15	0%	68,311	0,000	66,645	0,000	33,429	-0,001	0,037	0,000	Maximum
123	Ballast 16	0%	68,311	0,000	66,645	0,000	33,429	0,001	0,037	0,000	Maximum
124	Ballast 17	0%	93,674	0,000	91,389	0,000	26,241	-0,001	0,044	0,000	Maximum
125	Ballast 18	0%	93,674	0,000	91,389	0,000	26,241	0,001	0,044	0,000	Maximum
126	Ballast 19	0%	80,370	0,000	78,409	0,000	19,041	-0,001	0,065	0,000	Maximum
127	Ballast 20	0%	80,370	0,000	78,409	0,000	19,041	0,001	0,065	0,000	Maximum
128	Ballast 21	0%	19,073	0,000	18,608	0,000	18,933	-0,001	0,208	0,000	Maximum
129	Ballast 22	0%	19,073	0,000	18,608	0,000	18,933	0,001	0,208	0,000	Maximum
130	Ballast 23	0%	11,832	0,000	11,544	0,000	16,581	-0,002	0,374	0,000	Maximum
131	Ballast 24	0%	11,832	0,000	11,544	0,000	16,581	0,002	0,374	0,000	Maximum

Figur 7 - Tank konfigurasjon, lastkondisjon tomme brønner, uten ballast

Large angle Stability, lastkondisjon fulle tanker

	Heel to Starboard deg	-30,0	-20,0	-10,0	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	180,0
1	GZ m	-3,409	-2,783	-1,449	0,000	1,449	2,783	3,409	3,449	3,159	2,677	2,070	1,378	0,635	-0,126	-0,873	-1,570	-2,176	-2,622	-2,759	-2,201	-1,121	0,000
2	Area under GZ curv	60,182	28,771	7,2047	0,0000	7,2136	28,736	60,318	94,971	128,21	157,51	181,33	198,62	208,71	211,26	206,24	193,97	175,14	151,00	123,66	98,268	81,449	75,883
3	Displacement t	11247	11248	11247	11247	11247	11247	11247	11247	11247	11247	11247	11247	11247	11247	11247	11247	11247	11247	11247	11247	11248	11248
4	Draft at FP m	6,025	5,736	5,719	5,722	5,719	5,736	6,020	6,564	7,323	8,506	10,762	17,327	n/a	8,276	1,697	-0,580	-1,781	-2,567	-3,136	-3,434	-3,390	-3,344
5	Draft at AP m	7,073	6,711	6,774	6,802	6,774	6,711	7,078	7,638	8,393	9,534	11,654	17,717	n/a	5,769	-0,273	-2,369	-3,496	-4,237	-4,797	-5,299	-5,631	-5,772
6	WL Length m	87,633	87,782	87,805	87,793	87,805	87,782	87,635	88,327	88,945	89,407	89,573	89,230	88,907	88,583	88,699	89,121	89,781	89,970	89,895	89,744	89,804	89,853
7	Beam max extents	19,639	24,200	25,460	25,170	25,460	24,200	19,640	15,362	12,920	11,485	10,597	10,104	9,938	10,072	10,526	11,419	12,957	15,488	19,825	25,829	25,377	25,072
8	Wetted Area m^2	3157,1	2967,9	2847,8	2904,6	2847,8	2967,8	3157,1	3193,5	3207,4	3215,7	3222,6	3228,3	3233,1	3238,1	3241,0	3246,6	3252,5	3257,2	3265,0	3212,0	3169,0	3116,7
9	Waterpl. Area m^2	1513,2	1890,9	2084,4	2093,9	2084,3	1891,0	1513,2	1204,8	1017,9	903,92	835,69	799,47	789,19	802,74	844,15	914,45	1028,1	1218,1	1544,8	1968,7	2016,6	2064,4
10	Prismatic coeff. (Cp)	0,840	0,820	0,807	0,805	0,807	0,820	0,840	0,848	0,851	0,853	0,853	0,857	0,861	0,865	0,863	0,858	0,851	0,848	0,845	0,839	0,829	0,823
11	Block coeff. (Cb)	0,560	0,533	0,608	0,775	0,608	0,533	0,560	0,626	0,679	0,721	0,762	0,809	0,840	0,803	0,759	0,710	0,653	0,594	0,526	0,475	0,586	0,738
12	LCB from zero pt. (	42,446	42,450	42,453	42,454	42,453	42,451	42,439	42,442	42,442	42,446	42,454	42,466	42,481	42,495	42,509	42,519	42,526	42,529	42,528	42,533	42,545	42,547
13	LCF from zero pt. (	42,835	41,767	39,562	38,893	39,562	41,767	42,837	43,243	43,464	43,618	43,687	43,702	43,687	43,623	43,594	43,625	43,540	43,413	42,850	40,982	40,261	39,070
14	Max deck inclinatio	30,005	20,009	10,024	0,7374	10,024	20,009	30,005	40,003	50,001	60,000	70,000	80,000	90,000	99,999	109,99	119,99	129,99	139,99	149,98	159,96	169,88	178,34
15	Trim angle (+ve by	0,7160	0,6658	0,7204	0,7374	0,7204	0,6654	0,7220	0,7331	0,7311	0,7017	0,6093	0,2668	-90,00	-1,711	-1,345	-1,222	-1,171	-1,140	-1,133	-1,273	-1,530	-1,657

Figur 8 - Tabell verdier lastkondisjon fulle tanker

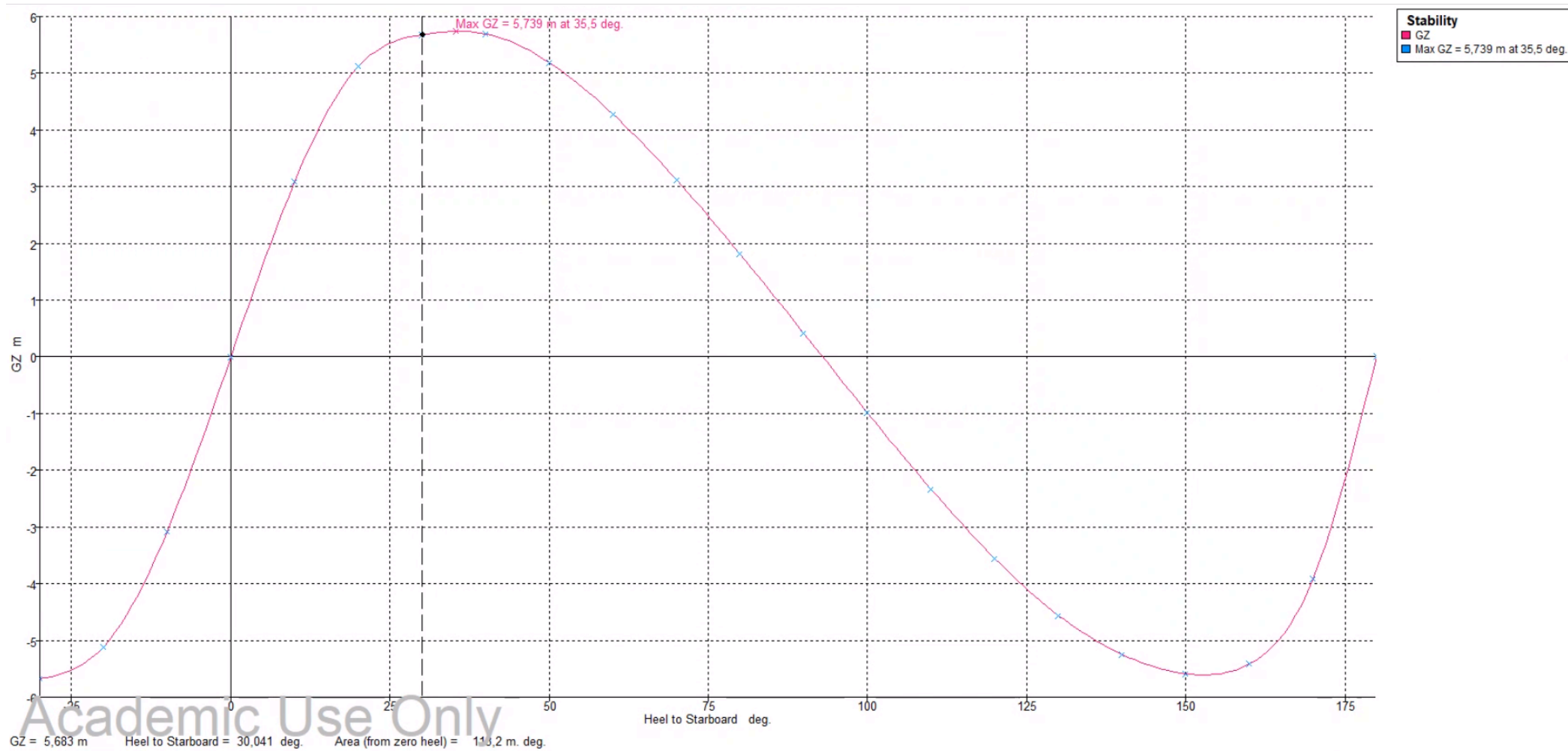


Figur 9 - GZ-Kurve Lastkondisjon fulle tanker

Large angle Stability, lastkondisjon tomme brønner, med ballast

	Heel to Starboard deg	-30,0	-20,0	-10,0	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	180,0
1	GZ m	-5,682	-5,117	-3,079	0,000	3,080	5,117	5,682	5,692	5,193	4,282	3,123	1,810	0,418	-0,985	-2,334	-3,556	-4,559	-5,248	-5,588	-5,417	-3,911	0,000
2	Area under GZ curv	112,87	58,074	15,843	0,0000	15,848	58,064	112,92	170,13	224,97	272,61	309,79	334,54	345,72	342,87	326,20	296,61	255,81	206,50	152,01	96,383	47,926	26,992
3	Displacement t	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4084	4085	4085	4085	4085	4085
4	Draft at FP m	0,536	1,298	1,541	1,546	1,540	1,299	0,536	-0,800	-2,898	-6,179	-12,40	-30,36	n/a	-39,52	-21,57	-15,38	-12,12	-10,08	-8,754	-7,951	-7,676	-7,704
5	Draft at AP m	1,813	3,109	3,760	3,890	3,762	3,108	1,813	-0,087	-2,694	-6,680	-14,15	-35,68	n/a	-47,68	-26,15	-18,65	-14,65	-12,06	-10,26	-9,007	-8,275	-8,225
6	WL Length m	88,401	89,527	89,703	81,016	89,702	89,527	88,401	87,171	86,228	85,695	85,601	86,559	87,101	87,637	88,198	88,637	89,083	89,648	89,023	88,017	87,830	87,846
7	Beam max extents	16,881	20,061	25,182	24,957	25,183	20,060	16,881	15,205	12,977	11,497	10,594	10,085	9,896	10,029	10,509	11,411	12,834	14,368	15,499	17,910	24,391	25,160
8	Wetted Area m^2	1640,9	1782,3	2017,0	2014,4	2017,1	1782,3	1640,9	1592,2	1588,4	1593,2	1594,0	1599,2	1604,4	1610,4	1617,9	1628,2	1646,5	1692,2	1769,5	1928,3	2356,0	2493,3
9	Waterpl. Area m^2	1277,0	1467,3	1784,5	1791,1	1784,6	1467,3	1276,9	1170,7	988,67	876,72	804,93	768,30	756,18	766,52	800,85	864,21	962,62	1078,4	1198,5	1429,6	1976,0	2110,1
10	Prismatic coeff. (Cp)	0,740	0,692	0,634	0,681	0,634	0,692	0,740	0,777	0,795	0,798	0,800	0,792	0,789	0,787	0,786	0,789	0,795	0,805	0,831	0,863	0,886	0,891
11	Block coeff. (Cb)	0,395	0,370	0,377	0,624	0,377	0,370	0,395	0,423	0,497	0,573	0,650	0,723	0,762	0,673	0,591	0,519	0,455	0,415	0,420	0,434	0,444	0,827
12	LCB from zero pt. (	41,641	41,613	41,617	41,615	41,610	41,616	41,642	41,664	41,698	41,735	41,768	41,812	41,845	41,869	41,880	41,878	41,863	41,835	41,810	41,771	41,739	41,734
13	LCF from zero pt. (	41,614	41,877	42,832	43,301	42,828	41,879	41,615	41,884	42,381	42,658	42,628	42,721	42,759	42,775	42,769	42,722	42,578	42,312	41,976	41,500	40,483	39,298
14	Max deck inclinatio	30,008	20,032	10,109	1,6008	10,109	20,032	30,008	40,001	50,000	60,000	70,000	80,000	90,000	99,998	109,99	119,99	129,99	139,98	149,98	159,98	169,99	179,64
15	Trim angle (+ve by	0,8726	1,2365	1,5151	1,6008	1,5171	1,2355	0,8724	0,4867	0,1392	-0,342	-1,190	-3,625	-90,00	-5,556	-3,123	-2,235	-1,726	-1,351	-1,030	-0,720	-0,408	-0,355

Figur 10 - Tabell verdier lastkondisjon tomme brønner, med ballast

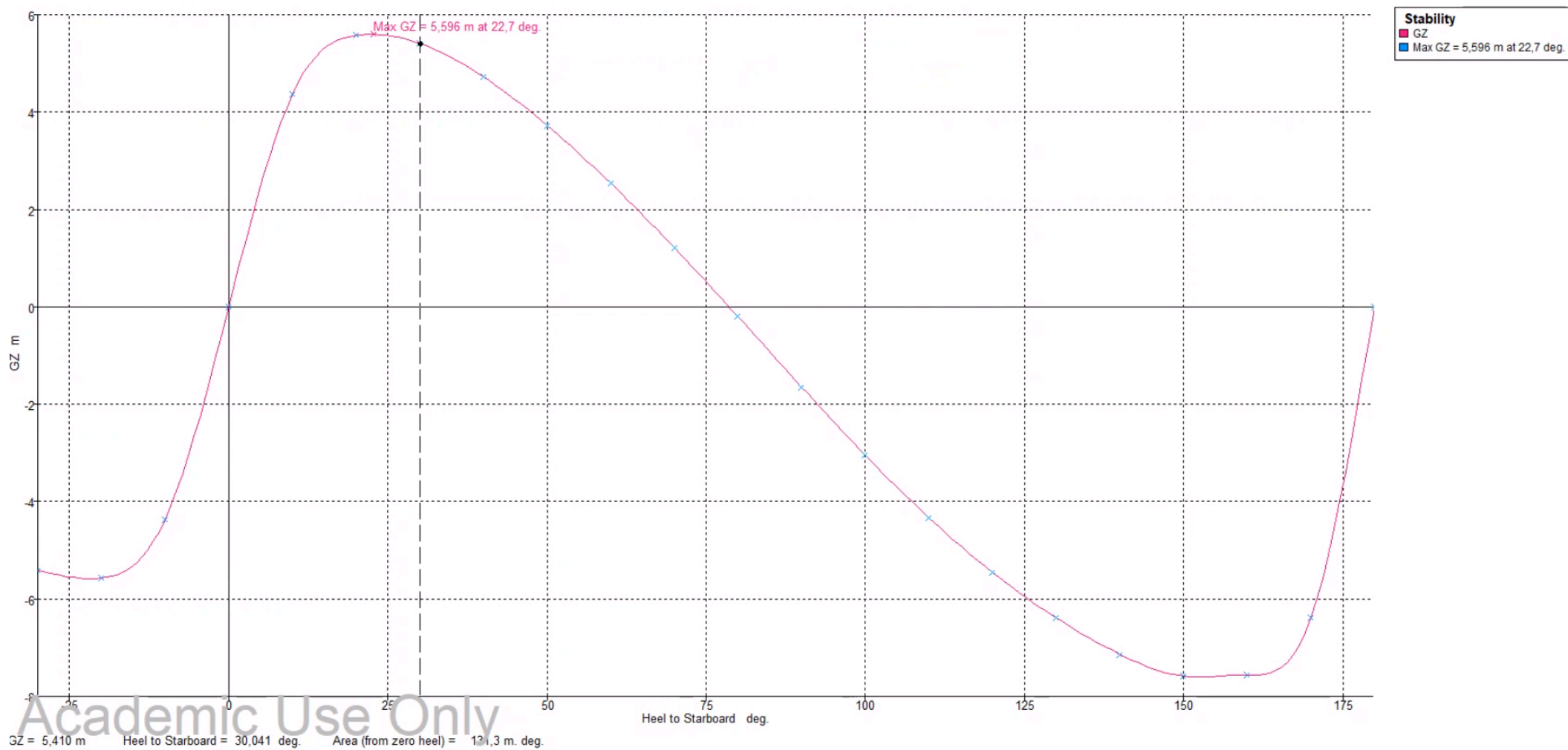


Figur 11 - GZ-kurve lastkondisjon tomme brønner, med ballast

Large angle Stability, lastkondisjon tomme brønner, uten ballast

	Heel to Starboard deg	-30,0	-20,0	-10,0	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	180,0
1	GZ m	-5,412	-5,573	-4,368	0,000	4,368	5,573	5,412	4,723	3,727	2,538	1,214	-0,202	-1,648	-3,049	-4,335	-5,452	-6,393	-7,137	-7,588	-7,557	-6,388	0,000
2	Area under GZ curv	130,95	75,653	23,706	0,0000	23,716	75,622	131,08	182,09	224,54	255,99	274,84	279,95	270,70	247,15	210,11	161,03	101,65	33,841	-40,18	-116,0	-188,8	-224,0
3	Displacement t	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079	2080	2079	2079	2080	2079	2079	2079	2079	2079	2079	2079	2079
4	Draft at FP m	-4,070	-2,407	-1,185	-0,618	-1,184	-2,407	-4,069	-6,328	-9,670	-15,24	-26,30	-58,85	n/a	-68,27	-35,72	-24,60	-18,90	-15,38	-12,94	-11,15	-9,853	-9,398
5	Draft at AP m	1,823	3,121	3,817	3,780	3,817	3,120	1,822	-0,106	-2,912	-7,238	-15,22	-37,93	n/a	-49,85	-27,16	-19,25	-15,08	-12,47	-10,67	-9,380	-8,552	-8,458
6	WL Length m	80,395	80,549	80,277	67,149	80,281	80,549	80,398	80,126	79,770	79,438	79,049	79,278	81,890	83,269	84,524	85,341	86,177	86,890	87,575	88,484	89,641	89,264
7	Beam max extents	14,939	17,326	24,021	24,936	24,020	17,326	14,938	13,355	12,503	11,272	10,510	10,033	9,880	9,989	10,383	11,676	12,262	12,378	12,420	14,217	20,472	25,085
8	Wetted Area m^2	1112,8	1196,6	1406,3	1651,4	1406,3	1196,6	1112,8	1077,6	1079,0	1094,9	1115,0	1125,0	1131,1	1137,2	1144,8	1152,8	1157,6	1175,6	1223,5	1333,2	1652,5	2312,9
9	Waterpl. Area m^2	874,04	992,44	1265,7	1554,5	1265,7	992,43	874,08	814,87	779,48	752,61	727,86	702,62	690,80	693,93	710,17	728,13	738,30	768,99	846,13	1010,3	1417,2	2135,0
10	Prismatic coeff. (Cp)	0,581	0,537	0,480	0,551	0,480	0,537	0,581	0,620	0,643	0,666	0,689	0,704	0,697	0,700	0,702	0,705	0,706	0,707	0,703	0,676	0,625	0,627
11	Block coeff. (Cb)	0,308	0,297	0,272	0,472	0,272	0,297	0,308	0,332	0,360	0,422	0,490	0,537	0,510	0,444	0,389	0,326	0,304	0,308	0,331	0,336	0,314	0,626
12	LCB from zero pt. (	32,341	32,390	32,464	32,522	32,468	32,390	32,345	32,329	32,329	32,343	32,356	32,374	32,403	32,451	32,503	32,560	32,609	32,668	32,720	32,757	32,803	32,822
13	LCF from zero pt. (	34,205	34,382	35,547	39,048	35,552	34,382	34,208	34,538	35,785	37,315	38,624	39,030	39,075	38,912	38,580	37,969	37,349	37,001	36,732	36,476	36,422	39,777
14	Max deck inclinatio	30,182	20,298	10,544	3,0010	10,543	20,298	30,182	40,109	50,064	60,037	70,021	80,009	90,000	99,992	109,98	119,98	129,97	139,97	149,97	159,96	169,96	179,35
15	Trim angle (+ve by	4,0182	3,7700	3,4125	3,0010	3,4114	3,7700	4,0166	4,2418	4,6054	5,4505	7,5249	14,003	90,000	12,384	5,8276	3,6456	2,6107	1,9888	1,5518	1,2091	0,8880	0,6415

Figur 12 - Tabell verdier lastkondisjon tomme brønner, uten ballast

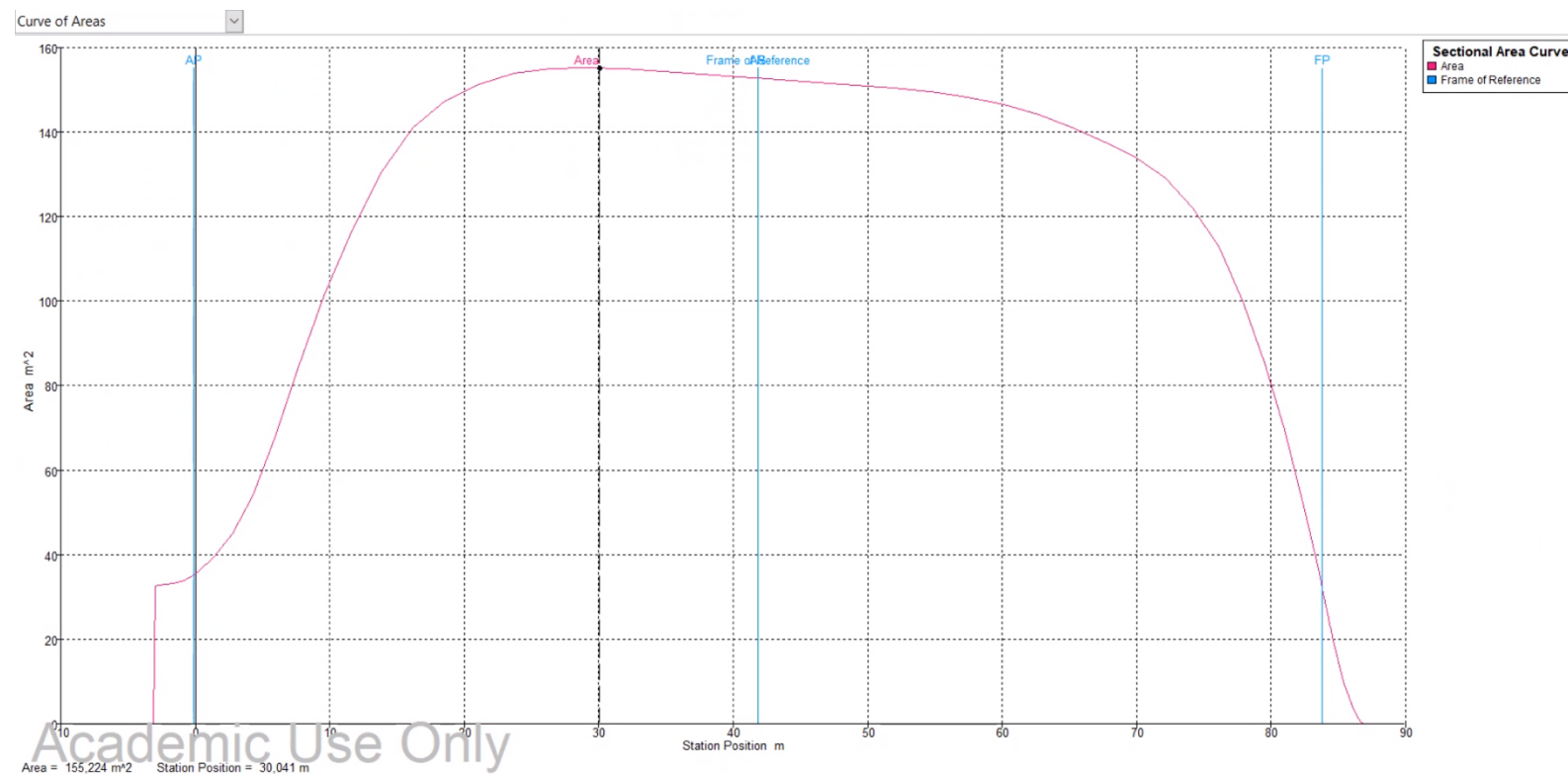


Figur 13 - GZ-kurve Lastkondisjon tommer brønner, uten ballast

1	Draft Amidships m	6,262
2	Displacement t	11247
3	Heel deg	0,0
4	Draft at FP m	5,723
5	Draft at AP m	6,801
6	Draft at LCF m	6,301
7	Trim (+ve by stern)	1,078
8	WL Length m	87,793
9	Beam max extents	25,170
10	Wetted Area m ²	2904,6
11	Waterpl. Area m ²	2093,9
12	Prismatic coeff. (Cp)	0,805
13	Block coeff. (Cb)	0,775
14	Max Sect. area coe	0,972
15	Waterpl. area coeff.	0,948
16	LCB from zero pt. (	42,456
17	LCF from zero pt. (	38,893
18	KB m	3,423
19	KG fluid m	4,658
20	BMT m	9,596
21	BML m	112,37
22	GMt corrected m	8,361
23	GML m	111,13
24	KMt m	13,019
25	KML m	115,78
26	Immersion (TPc) to	21,463
27	MTc tonne.m	149,00
28	RM at 1deg = GMt.	1641,2
29	Max deck inclinatio	0,7364

Figur 14 – Tallverdier lastkondisjon fulle tanker

Equilibrium , lastkondisjon fulle tanker

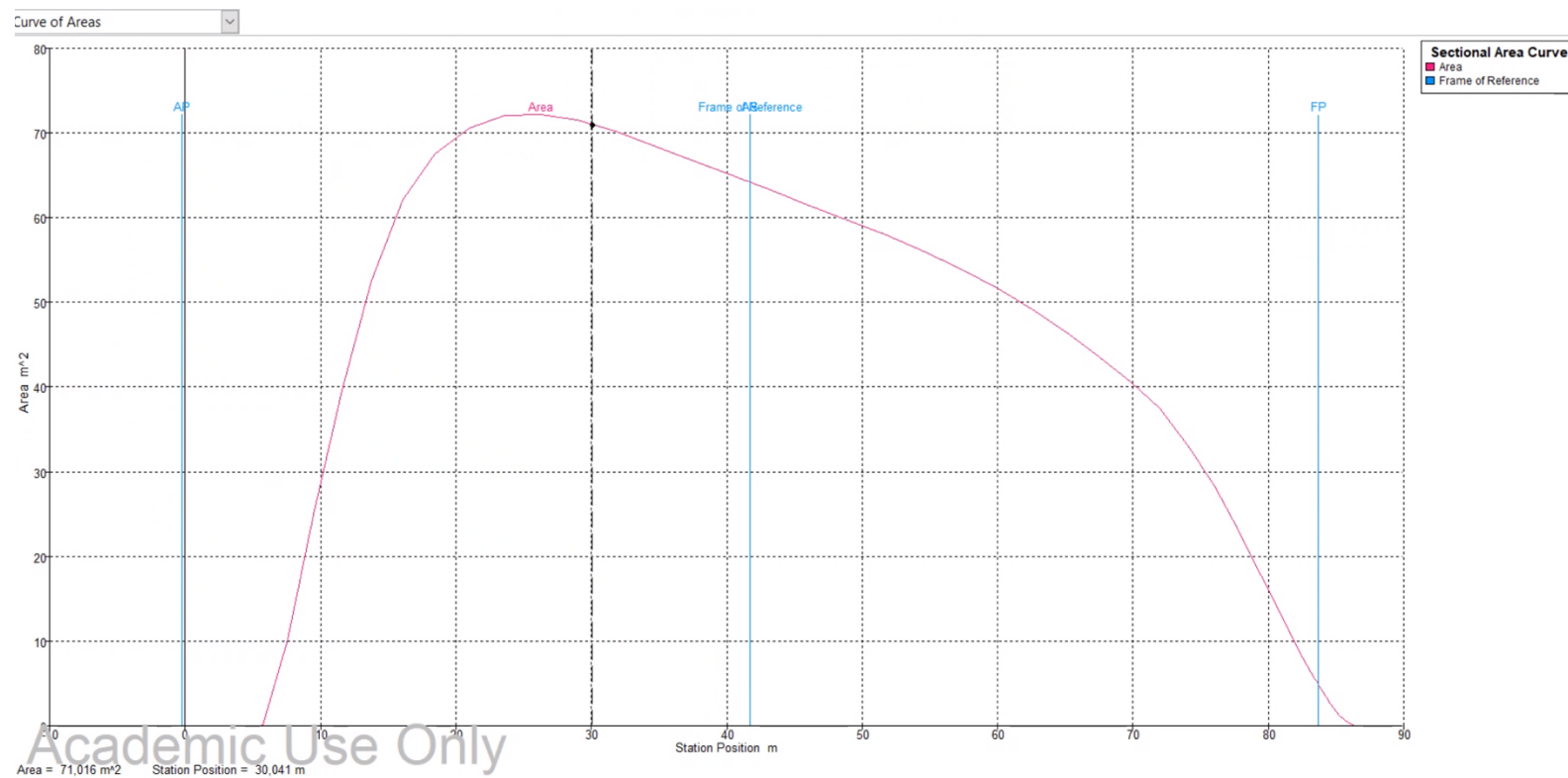


Figur 15 - Curve of Area lastkondisjon fulle tanker

1	Draft Amidships m	2,718
2	Displacement t	4085
3	Heel deg	0,0
4	Draft at FP m	1,545
5	Draft at AP m	3,891
6	Draft at LCF m	2,680
7	Trim (+ve by stern)	2,346
8	WL Length m	81,018
9	Beam max extents	24,957
10	Wetted Area m ²	2014,4
11	Waterpl. Area m ²	1791,2
12	Prismatic coeff. (Cp)	0,681
13	Block coeff. (Cb)	0,624
14	Max Sect. area coe	0,939
15	Waterpl. area coeff.	0,886
16	LCB from zero pt. (	41,612
17	LCF from zero pt. (	43,299
18	KB m	1,521
19	KG fluid m	4,973
20	BMT m	21,184
21	BML m	202,53
22	GMt corrected m	17,731
23	GML m	199,08
24	KMt m	22,696
25	KML m	203,98
26	Immersion (TPc) to	18,360
27	MTc tonne.m	96,939
28	RM at 1deg = GMt.	1264,0
29	Max deck inclinatio	1,6018

Figur 17 – Tallverdier lastkondisjon tomme brønner, med ballast

Equilibrium , lastkondisjon tomme brønner, med ballast

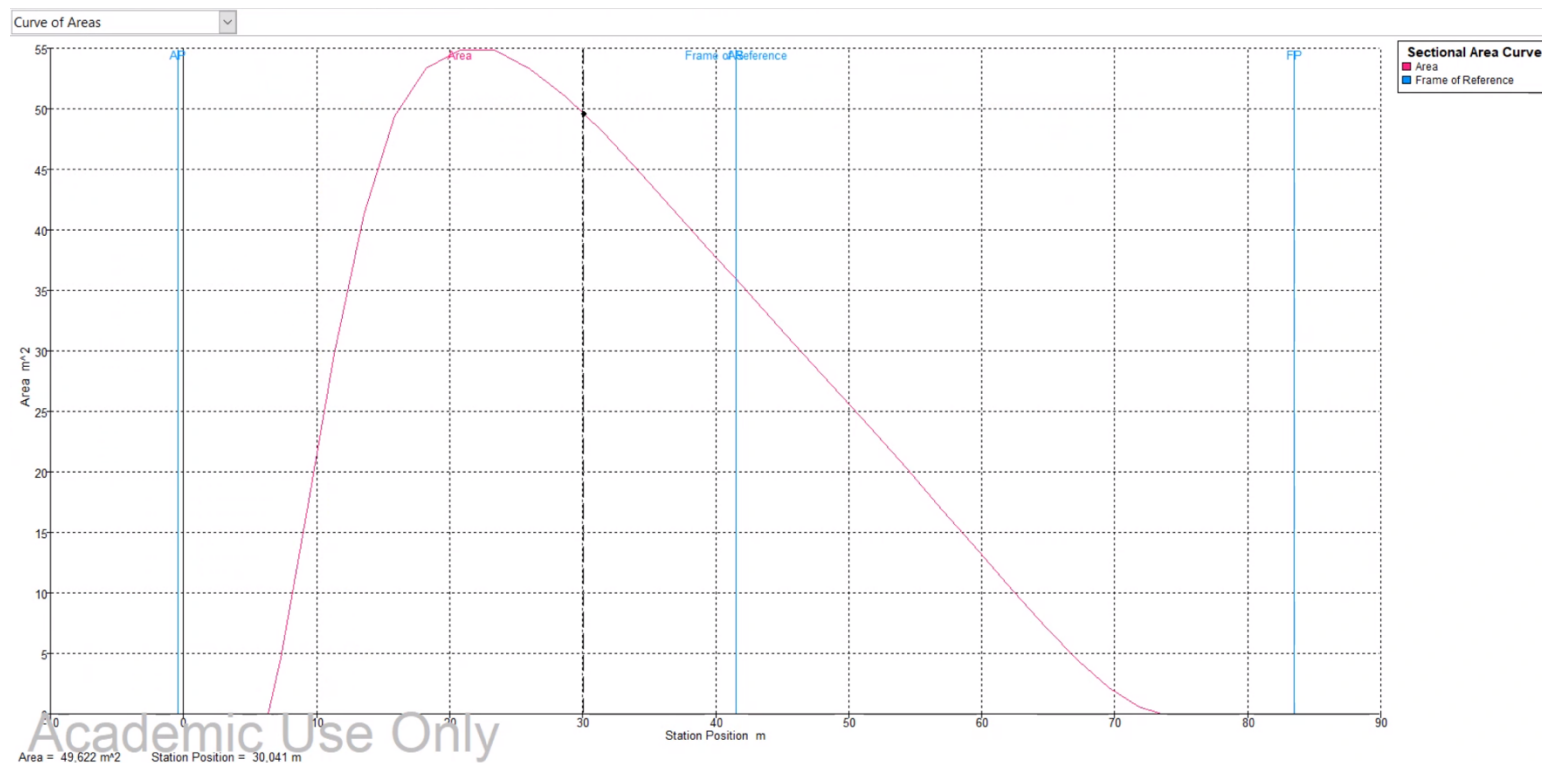


Figur 16 - Curve of area lastkondisjon tomme brønner, med ballast

Equilibrium , lastkondisjon tomme brønner, uten ballast

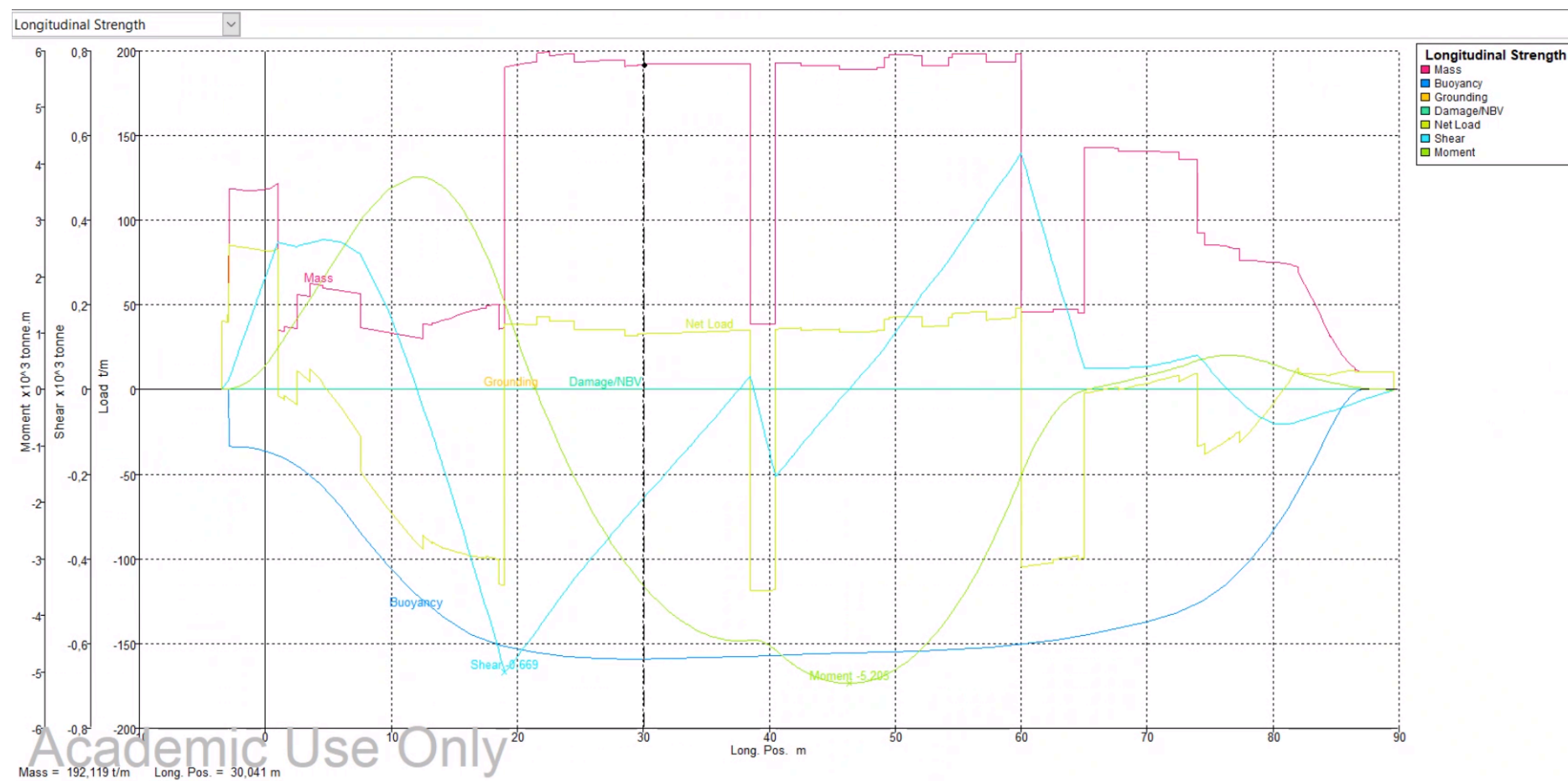
1	Draft Amidships m	1,581
2	Displacement t	2079
3	Heel deg	0,0
4	Draft at FP m	-0,617
5	Draft at AP m	3,779
6	Draft at LCF m	1,733
7	Trim (+ve by stern)	4,396
8	WL Length m	67,160
9	Beam max extents	24,936
10	Wetted Area m ²	1651,7
11	Waterpl. Area m ²	1554,8
12	Prismatic coeff. (Cp)	0,551
13	Block coeff. (Cb)	0,472
14	Max Sect. area coe	0,873
15	Waterpl. area coeff.	0,928
16	LCB from zero pt. (	32,528
17	LCF from zero pt. (	39,056
18	KB m	1,235
19	KG fluid m	7,257
20	BMt m	36,309
21	BML m	258,58
22	GMt corrected m	30,279
23	GML m	252,55
24	KMt m	37,494
25	KML m	259,46
26	Immersion (TPc) to	15,937
27	MTc tonne.m	62,595
28	RM at 1deg = GMt.	1098,7
29	Max deck inclinatio	2,9995
30	Trim angle from L	0,0005

Figur 19 - Tallverdier lastkondisjon tomme brønner, uten ballast



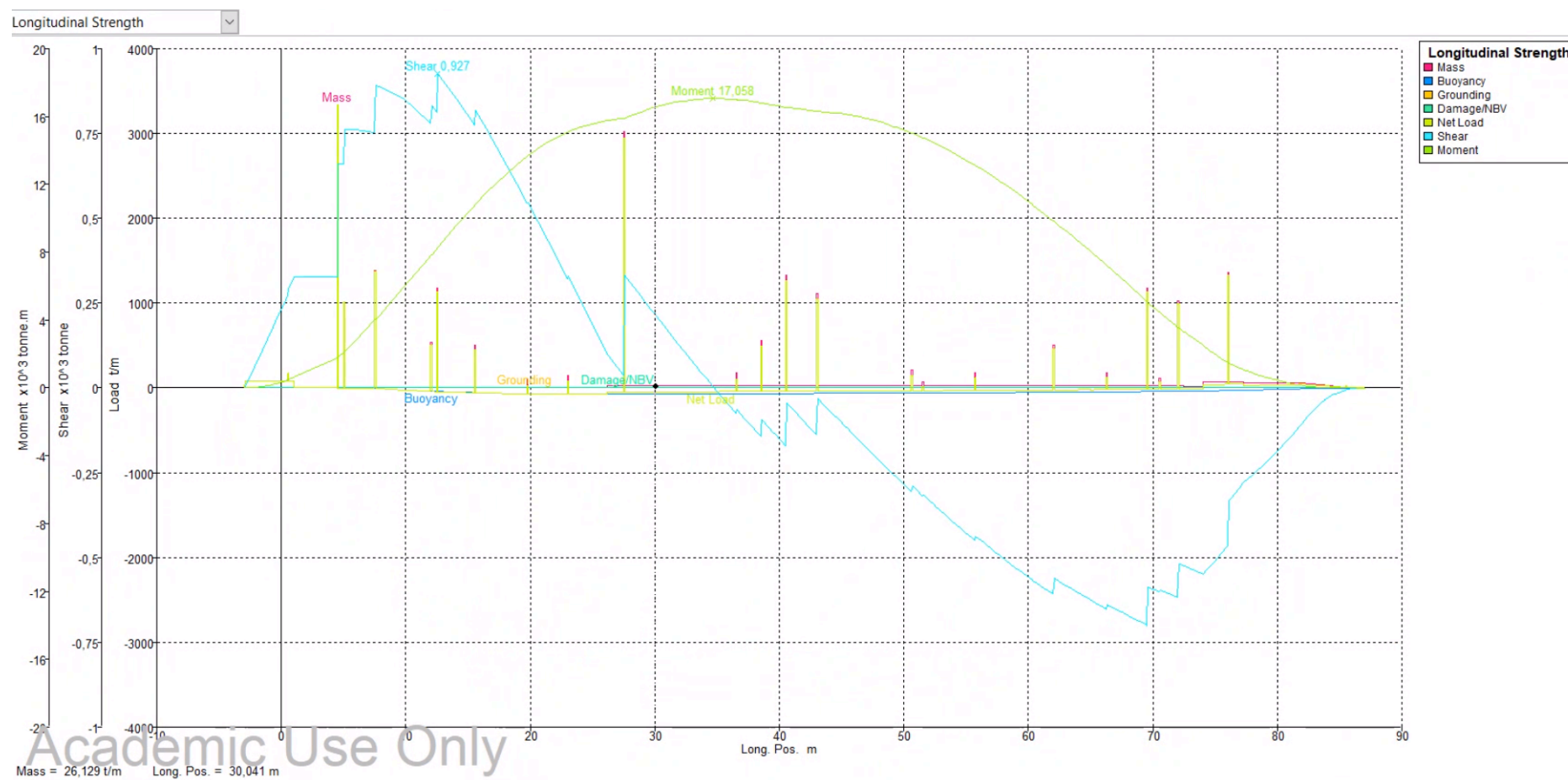
Figur 18 - Curve of Area lastkondisjon tomme brønner, uten ballast

Longitudinal Strength, lastkondisjon fulle tanker



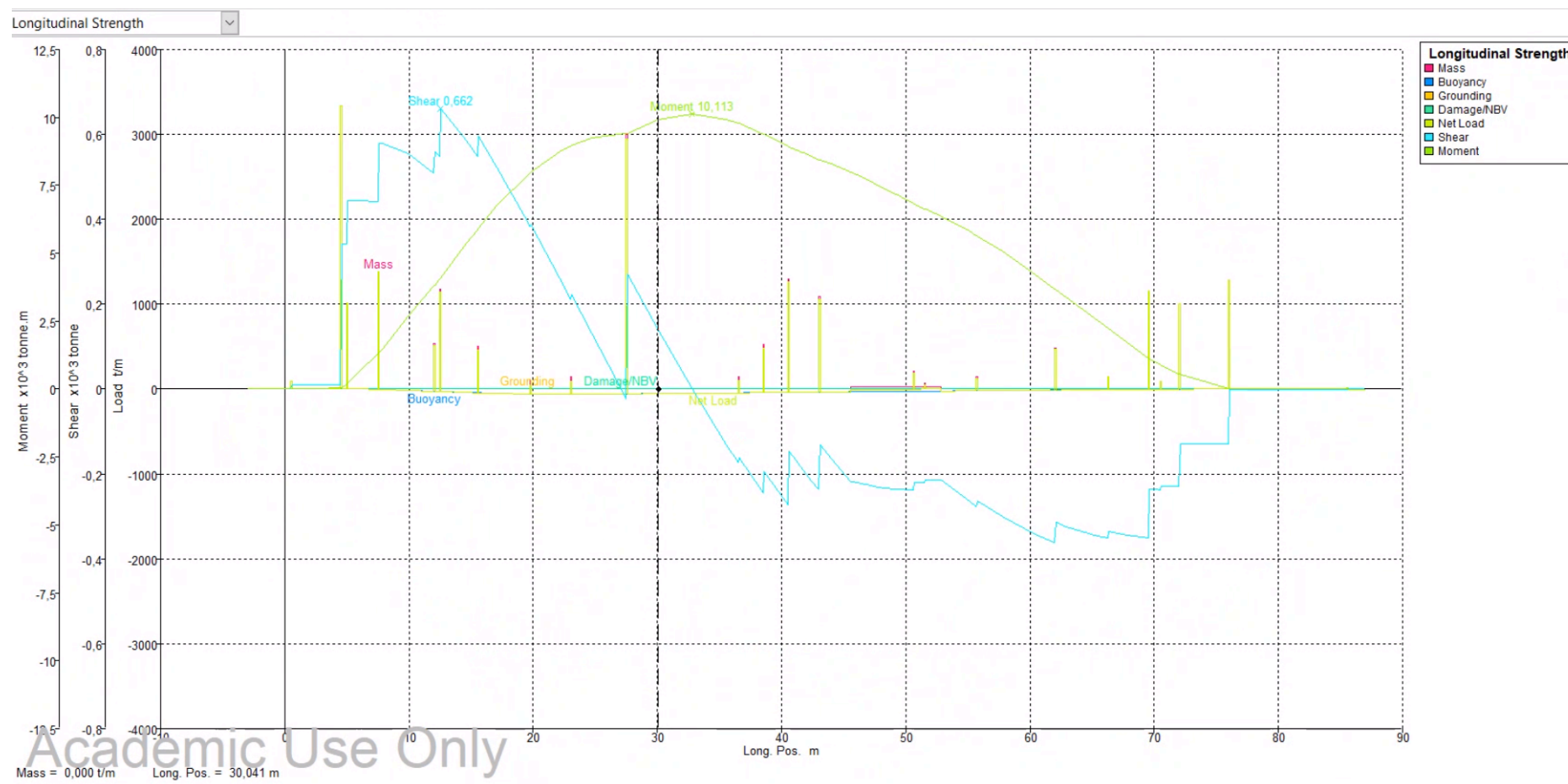
Figur 20 - Longitudinal strength, lastkondisjon fulle tanker

Longitudinal Strength, lastkondisjon tomme brømmer, med ballast



Figur 21 - Longitudinal Strength, lastkondisjon tomme brømmer, med ballast

Longitudinal Strength, lastkondisjon tomme brømmer, uten ballast



Figur 22 - Longitudinal Strength, lastkondisjon tomme brømmer, uten ballast