

SOFTWARE

# CARGOMAX®

STRENGTH ANALYSIS & LOCAL SHEAR.

TRIM & DRAFT OPTIMIZATION.

CUSTOM FEATURES & ALARMS.

CargoMax for VLCC Demo - C:\ProgramData\Herbert-Abs\CargoMax 2.1\VLCC Demo\StdLoadCases\Seeregation 1 Departure.k2 - [Seeregation 1 Departure]

File Edit View Tools Damage Grounding Help

No.	Status	Description	Attained	Pass If	Type
1	PASS	Calculation Status	OK	Status = OK	Requirement
2	PASS	Level Deadweight	14.4 %14 MT	AvgDWT >= 0 MT	Requirement
3	PASS	FB % Pinned, Undeformed	9.143 m	FStopsIn >= 0.000 m	Requirement
4	PASS	Max Blform %Allow	87.32 %	-100.00 <= BM% <= 100.00	Requirement
5	PASS	Max Shear %Allow	59.15 %	-100.00 <= SF% <= 100.00	Requirement
6	PASS	Prop Immersion	134.23 %	PropImm >= 100.00	Requirement
7	PASS	GZ Criteria Status	PASS	GZStat = PASS	Requirement
8	PASS	Inland OMI Margin	10.221 m	OMIMargin >= 0.000 m	Requirement
9	PASS	Dam Slab Assessment	PASS	DDEStat = PASS	Requirement
Vessel COMPLIES with damaged stability regulations according to direct calculation					
Evaluated criteria: IBC Code					
10	PASS	Visibility Dist	360.518 m	VisDist <= 500.000 m	Requirement
11	PASS	Sump Heel Restrictions			Requirement

Cargo Oil	Fuel Oil	Diesel Oil	Lube Oil	Fresh Water	SW Ballast	Misc.	Constant	Misc. Weights	Spaces	All	Selected											
Name	Cargo	USource	UllSnd	UTrim	Adj UllSnd	%Full	TOV	Temp	Dens	Weight	VCF	G5V	FW Snd	FW Dens	FW Vol	FW Wt	GOV	FSt				
NO.1 COT C		MMC	0.000 S	--	0.000 S	--	0	60.0	0.8736	0	1.000	--	--	1.000	0	--	0	0	0	0	0	0
NO.1 COT P		MMC	28.169 S	0.000	28.169 S	97.997	16.320	60.0	0.8736	14.257	1.000	16.320	--	1.000	0	--	16.320	8.309				
NO.1 COT S		MMC	28.169 S	0.000	28.169 S	97.997	16.320	60.0	0.8736	14.257	1.000	16.320	--	1.000	0	--	16.320	8.309				
NO.2 COT C		MMC	0.000 S	--	0.000 S	--	0	60.0	0.8736	0	1.000	--	--	1.000	0	--	0	0	0	0	0	0
NO.2 COT P		MMC	0.000 S	--	0.000 S	--	0	60.0	0.8736	0	1.000	--	--	1.000	0	--	0	0	0	0	0	0
NO.2 COT S		MMC	0.000 S	--	0.000 S	--	0	60.0	0.8736	0	1.000	--	--	1.000	0	--	0	0	0	0	0	0
NO.3 COT C		MMC	28.556 S	0.000	28.556 S	97.997	31.762	60.0	0.8736	27.747	1.000	31.762	--	1.000	0	--	31.762	32.254				
NO.3 COT P		MMC	0.000 S	--	0.000 S	--	0	60.0	0.8736	0	1.000	--	--	1.000	0	--	0	0	0	0	0	0
NO.3 COT S		MMC	0.000 S	--	0.000 S	--	0	60.0	0.8736	0	1.000	--	--	1.000	0	--	0	0	0	0	0	0
NO.4 COT C		MMC	0.000 S	--	0.000 S	--	0	60.0	0.8736	0	1.000	--	--	1.000	0	--	0	0	0	0	0	0
NO.4 COT P		MMC	28.098 S	0.000	28.098 S	97.997	20.143	60.0	0.8736	17.597	1.000	20.143	--	1.000	0	--	20.143	9.793				
NO.4 COT S		MMC	28.098 S	0.000	28.098 S	97.997	20.143	60.0	0.8736	17.597	1.000	20.143	--	1.000	0	--	20.143	9.793				
NO.5 COT C		MMC	0.000 S	--	0.000 S	--	0	60.0	0.8736	0	1.000	--	--	1.000	0	--	0	0	0	0	0	0
NO.5 COT P		MMC	0.000 S	--	0.000 S	--	0	60.0	0.8736	0	1.000	--	--	1.000	0	--	0	0	0	0	0	0
NO.5 COT S		MMC	0.000 S	--	0.000 S	--	0	60.0	0.8736	0	1.000	--	--	1.000	0	--	0	0	0	0	0	0
SLOP P		MMC	20.200 S	0.000	20.200 S	97.997	4.942	60.0	0.8736	4.317	1.000	4.942	--	1.000	0	--	4.942	2.070				
SLOP S		MMC	28.287 S	0.000	28.287 S	97.997	4.942	60.0	0.8736	4.317	1.000	4.942	--	1.000	0	--	4.942	2.070				
Cargo Oil Totals							32.679	114.572	60.0		100.090	1.000	114.572			0	0	114.572	73.808			

INTERFACE WITH BERGAN GAUGING SYSTEM.

LOAD MANAGEMENT.

INTACT & DAMAGE STABILITY.

Through our partnership with Herbert Software Solutions we provide CargoMax® in conjunction with our cargo monitoring systems. For over 35 years CargoMax® has set the standard for shipboard stability and load management software. This proven system combines rigorously tested algorithms with a user-friendly interface to provide quick and consistent results, ensuring that the safety of the vessel is maintained at all times. For more information go to [www.herbert-abs.com](http://www.herbert-abs.com).



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