

DRY BULK CARGO OCEAN BARGE 390'x68'x29' VESSEL NAME: "CONNOR"

0 VESSEL CHARACTERISTICS.

LENGTH OVER ALL	390 FEET. 118.87 METERS
LENGTH. WATER LINE.	387' 10.5".
MOLDED BEAM	68 FEET. 20.73 METERS
DEPTH	29 FEET. 8.84 METERS
DRAFT. LIGHT SHIP	3.8 FEET. 1.16 METERS.
DRAFT. FULL LOAD	23 FEET. 7.01 METERS.
CARGO HOLD VOLUME	540.000 CUBIC FEET
VESSEL ABS ID.	6708153.

1 CAPACITY PLANS.

PLEASE REFER TO ATTACHED DRAWING:
DRAWING NUMBER:
000-002-390' BARGE-2005.

TITLE:
390'x68'x29' BARGE
AVONDALE DESIGN
SERVICE: FULL OCEAN UNMANNED
CAPACITY PLANS.

2 CARGO CAPACITIES TABLES.

HOLD	FRAMES	VOL. FEET 3	TONS 42.8 ft3/ton	LCG From AP.	TCG FEET	VCG FEET	FreeSuf. MFS
HOLD 1P	46 - 36	67,754	1,581.58	67.25	17 P	16.5	0
HOLD 1S	46 - 36	67,754	1,581.58	67.25	17 S	16.5	0
HOLD 2P	36 - 26	70,760	1,651.75	147.0	17 P	16.5	0
HOLD 2S	36 - 26	70,760	1,651.75	147.0	17 S	16.5	0
HOLD 3P	26 - 16	70,760	1,651.75	227.0	17 P	16.5	0
HOLD 3S	26 - 16	70,760	1,651.75	227.0	17 S	16.5	0
HOLD 4P	16 - 06	60,400	1,409.92	307.0	16.25 P	16.5	0
HOLD 4S	16 - 06	60,400	1,409.92	307.0	16.25 S	16.5	0
		539,348	12,590.00				

3 STANDARD OPERATING CONDITIONS.**3.1 LIGHT SHIP CONDITION.**

Draft FP	3.830 ft	Heel	zero	GM(Solid)	93.400 ft
Draft MS	3.830 ft	Equil	No	F/S Corr.	0.000 ft
Draft AP	3.830 ft	Wind	Off	GM(Fluid)	93.400 ft
Trim	zero	Wave	No	KMt	108.400 ft
LCG	184.800f ft	VCG	15.000 ft	TPIIn	48.48
Displacement	1,972.00 LT	WaterSpgr	1.025		

Loading Summary

Item	Weight (LT)	LCG (ft)	TCG (ft)	VCG (ft)
Light Ship	1,972.00	184.800f	0.000	15.000
Displacement	1,972.00	184.800f	0.000	15.000

Fixed Weight Status

Item	Weight (LT)	LCG (ft)	TCG (ft)	VCG (ft)
LIGHT SHIP	1,972.00	184.800f	0.000	15.000u
Total Weight:	1,972.00	184.800f	0.000	15.000u

Displacer Status

Item	Status	Spgr	Displ (LT)	LCB (ft)	TCB (ft)	VCB (ft)	Eff /Perm
CASCO	Intact	1.025	1,972.01	184.788f	0.000	2.071	1.000
SubTotals:			1,972.01	184.788f	0.000	2.071	

3.2 FULLY LOAD DEPARTURE AND ARRIVAL CONDITION.

Floating Status

Draft FP	22.350 ft	Heel	zero	GM(Solid)	13.836 ft
Draft MS	22.972 ft	Equil	Yes	F/S Corr.	0.000 ft
Draft AP	23.594 ft	Wind	Off	GM(Fluid)	13.836 ft
Trim	aft 0.18 deg.	Wave	No	KMt	30.133 ft
LCG	183.927f ft	VCG	16.297 ft	TPIn	58.36
Displacement	14,562.00 LT	WaterSpgr	1.025		

Loading Summary

Item	Weight (LT)	LCG (ft)	TCG (ft)	VCG (ft)
Light Ship	1,972.00	184.800f	0.000	15.000
Deadweight	12,590.00	183.791f	0.000	16.500
Displacement	14,562.00	183.927f	0.000	16.297

Fixed Weight Status

Item	Weight (LT)	LCG (ft)	TCG (ft)	VCG (ft)
LIGHT SHIP	1,972.00	184.800f	0.000	15.000u
CARGO LOAD ON HOLD 4 P&S	3,163.16	67.250f	0.000	16.500u
CARGO LOAD ON HOLD 3 P&S	3,303.50	147.000f	0.000	16.500u
CARGO LOAD ON HOLD 2 P&S	3,303.50	227.000f	0.000	16.500u
CARGO LOAD ON HOLD 1 P&S	2,819.84	307.000f	0.000	16.500u
Total Weight:	14,562.00	183.927f	0.000	16.297u

Displacer Status

Item	Status	Spgr	Displ (LT)	LCB (ft)	TCB (ft)	VCB (ft)	Eff /Perm
CASCO	Intact	1.025	14,562.00	183.914f	0.000	12.136	1.000
SubTotals:			14,562.00	183.914f	0.000	12.136	