

PARTICULI ARS

LENGHT OVERALL	:	83.0	m
LENGHT B.P.	:	75.0	m
BREADTH	:	16.2	m
DEPTH (MAIN DECK):	:	7.90	m
DESIGN DRAUGHT	:	5.75	m
LOAD DRAUGHT	:	6.08	m
		6.11	m
			MLD.
			EXTR.

OFFICAL NUMBER	:	808715
GROSS TONNAGE	:	3853.56
NET TONNAGE	:	1528.46
CALL SIGN	:	CGAH
PORT OF REGISTRY	:	OTTAWA

ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE NOTED

HOLD CAPACITIES				
COMPARTMENT	FRAMES	GRAN CAPACITY	BALE CAPACITY	LOG FROM ABOVE STN 5
UPPER HOLD	128-152	566.4	546.5	6.800 18.099 F
LOWER HOLD	128-152	491.0	463.8	3.247 12.777 F
TOTAL INCL. HATCH		1057.4	1010.3	5.243 17.950 F

FUEL OIL CAPACITIES															
SPECIFIC GRAVITY = 0.85		COMPARTMENT		FRAMES		100% CAPACITY		88% OR 90% OVERFLOW CAPACITY		88% OR 90% OVERFLOW CAPACITY		VCG LOC FROM ABOVE BASE		VCG LOC FROM SURFACE	
						m ²		m ²		t		meters		t/m	
NO.1 FUEL OIL TANK STBD	103.175	55.9	47.1	103.175	55.9	47.1	39.2	6,743	23,847	7	25.20	6.743	23.847	7	25.20
NO.2 FUEL OIL TANK STBD	103.175	55.9	47.1	103.175	55.9	47.1	39.2	6,743	23,847	7	25.20	6.743	23.847	7	25.20
NO.3 FUEL OIL TANK STBD	103.175	55.9	47.1	103.175	55.9	47.1	39.2	6,743	23,847	7	25.20	6.743	23.847	7	25.20
NO.4 FUEL OIL TANK STBD	152.163	108.8	93.3	152.163	108.8	93.3	83.6	5,697	25,320	37	68.00	5.697	25.320	37	68.00
NO.5 FUEL OIL TANK STBD	152.163	108.8	93.3	152.163	108.8	93.3	83.6	5,697	25,320	37	68.00	5.697	25.320	37	68.00
NO.6 FUEL OIL TANK STBD	106-121	119.5	101.9	106-121	119.5	101.9	86.6	2,958	7,674	17	120.66	2.958	7.674	17	120.66
NO.7 FUEL OIL TANK STBD	106-121	119.5	101.9	106-121	119.5	101.9	86.6	2,958	7,674	17	120.66	2.958	7.674	17	120.66
NO.8 FUEL OIL TANK STBD	106-128	52.0	50.9	106-128	52.0	50.9	43.3	0,819	8,888	7	70.933	0.819	8.888	7	70.933
NO.9 FUEL OIL TANK STBD	106-128	52.0	50.9	106-128	52.0	50.9	43.3	0,819	8,888	7	70.933	0.819	8.888	7	70.933
NO.10 FUEL OIL TANK STBD	70-36	81.5	80.0	70-36	81.5	80.0	67.7	0,854	4,261	4	229.933	0.854	4.261	4	229.933
NO.10 FUEL OIL TANK STBD	70-36	104.5	102.4	70-36	104.5	102.4	86.8	0,828	4,402	4	426.81	0.828	4.402	4	426.81
NO.10 FUEL OIL DAY TANK STBD	70-76	28.7	25.4	70-76	28.7	25.4	21.6	6,201	8,300	4	10.68	6.201	8.300	4	10.68
FUEL OIL SETTLING TANK	63-70	33.5	29.6	63-70	33.5	29.6	25.1	6,196	10,500	4	12.68	6.196	10.500	4	12.68
FUEL OIL SETTLING TANK	106-110	10.4	10.2	106-110	10.4	10.2	8.7	0,821	5,700	7	14.17	0.821	5.700	7	14.17
EMERGENCY GENERATOR FUEL TANK	64-68	1.1	1.1	64-68	1.1	1.1	0.9	14,358	11,100	4	0.01	14.358	11.100	4	0.01
TOTAL FUEL OIL TANKS (98%)	64-68			64-68				9,932	842.1	71.52					

FLUME TANK CAPACITIES							
SPECIFIC GRAVITY = 0.85							
	COMPARTMENT	FRAMES	100% CAPACITY	98% OR OVER CAPACITY	VOC FROM ABOVE STN 5		FREE SURFACE MOMENT
					WORKING BASE	LCG FROM BASE	t/m
UPPER FLUME TANK		117-126	111.7	49.6	5.650	11,424	7 771.85
MIDDLE FLUME TANK		117-126	223.0	93.4	2.325	11,352	6 659.85
TOTAL		124.2	223.0	93.4			

SPECIFIC GRAVITY = 0.80		LUBE OIL CAPACITIES				
COMPARTMENT	FRAMES	100% CAPACITY				
		85% CAPACITY	WGT. OF OIL BASE	WGT. OF SYN. BASE	FREE SURFACE	
			inches	inches	MOMENT	
MAIN GEN. LUBE OIL TANK	58-63	16.6	12.6	6,298	13,500	2.77
ALY. GEN. LUBE OIL TANK	58-63	3.6	2.7	6,271	10,500	0.18
WATER TANK	54-58	28.4	21.3	8,280	12,250	1.52
WATER TANK	54-58	29.4	22.8	8,280	12,250	1.52

COMPARTMENT		FRAMES	100% CAPACITY	FRESH WATER	SALT WATER	LOG FROM ABOVE 51N BASE	LOG FROM 51N METERS	FREE SURFACE MOMENT t-m ²
	FORE PEAK TANK	175'-STEM	84.0	84.0	86.1	7.057	35.033	F 130.48
	NO.1 W.B. TANK	163'-75"	41.3	41.3	42.3	7.057	35.033	F 130.48
	NO.1 W.B. WING TANK STBD	163'-75"	41.3	41.3	42.3	5.555	29.943	F 16.18
	NO.2 W.B. WING TANK PORT	152'-163	55.1	54.0	55.3	4.403	25.413	F 18.50
	NO.2 W.B. WING TANK STBD	152'-163	55.1	54.0	55.3	4.403	25.413	F 18.50
	NO.3 W.B. WING TANK PORT	148'-152	50.8	50.8	50.8	4.403	25.413	F 18.50
	NO.3 W.B. WING TANK STBD	148'-152	50.8	50.8	50.8	4.403	25.413	F 18.50
	NO.4 W.B. W.B. TANK PORT	54'-70	43.5	43.5	44.6	0.881	17.501	F 122.93
	NO.4 W.B. W.B. TANK STBD	54'-70	43.5	43.5	44.6	0.872	17.541	F 122.93
	NO.2 D.B. W.B. TANK PORT	94'-70	59.5	59.5	61.0	0.839	17.584	F 262.98
	NO.2 D.B. W.B. TANK STBD	94'-70	59.5	59.5	61.0	0.839	17.584	F 262.98
	TOTAL WATER BALLAST	1-15	111.4	59.6	60.4	5.555	14.538	F 72.00

FRESH WATER CAPACITIES		100% CAPACITY	OVERFLOW CAPACITY	NO. OF MANHOLE BASES	NO. OF SIN 5 SIN 5 MOMENT	FREE SURFACE WATER
FRAMES		m ²				
FRESH WATER TANK POOL	30'-41"	52.1	50.1	6.316	23.240	22.40
FRESH WATER TANK STED	30'-41"	52.1	50.1	6.316	23.240	22.40
FRESH WATER TANK STED	70'-75"	14.9	14.9	6.316	8.600	3.12
TOTAL FRESH WATER (000)						
TOTAL FRESH WATER		114.9	114.9			

COMPARTMENT	FRAMES	100% CAPACITY	SPECIFIC GRAVITY	88% CAPACITY	VOL FROM BASE	LCG FROM SWN 2	FREE SURFACE MOMENT
AWATON FUEL TANK	3-12	22.8	0.79	17.7	3.263	34.166	30.63
AWATON FUEL TANK	13-14	22.8	0.79	17.7	3.263	34.166	30.63
WASTE OIL TANK PORT	30-37	4.9	0.85	4.1	1.915	23.866	1.17
WASTE OIL TANK STBD	38-45	4.9	0.85	4.1	1.915	23.866	1.17
PORTER SUOGE TANK	55-64	2.5	0.85	2.0	1.125	13.937	1.29
STBD SUOGE TANK	65-74	2.5	0.85	2.0	1.125	13.937	1.29

EXPANSION SYSTEM AND OBSERVATION TANKS				
WEIGHTS AT WORKING LEVEL INCLUDED IN LIGHTSHIP WEIGHT				
COMPARTMENT	100% CAPACITY		COMPARTMENT	100% CAPACITY
	FRAMES	m ³		
AIRCORD. EXPANSION TANK	69-71	0.24	SEWAGE TRANSFER TANK	102-105
CENTR. COOLING EXPANSION TANK	79-81	1.54	VACUUM SEWAGE UNIT	92-94
EXP. SERVICE TANK AFT	85-87	0.23	WATER TREATMENT TANK	96-97
E.R. SERVICE TANKS FOR D	95-98	0.46	HOTWELL TANK	71-75
EXP. SERVICE TANKS	95-98	0.46	WATER TREATMENT TANK	96-97
RESERVE OIL TANK	5-8	0.90	BOILER OBSERVATION TANK	72-74
RESERVE OIL TANK	5-8	0.90	BOILER OBSERVATION TANK	72-74
SEWAGE TREATMENT TANK	92-94	1.54	SEA CHEST P & S	81-83/84-86
EQUALIZATION TANKS	102-105	0.68	SEA CHEST P & S	81-83/84-86

VOID COMPARTMENTS							
COMPARTMENT			FRAMES	100% CAPACITY	VCG	CG FROM SURFACE	FREE STN 5
				m ³	BASE	BASE	BASE
					meters	meters	meters
NO. 1 VOID P	OR S		117-126	30.1	3.569	11.081F	1.44
NO. 2 VOID P	OR S		108-117	50.3	3.536	7.089F	2.28
NO. 3 VOID P	OR S		102-108	54.0	3.536	7.089F	2.28
NO. 4 VOID P	OR S		102-108	54.0	3.536	7.089F	2.28
NO. 5 VOID P	OR S		54-70	19.1	6.375	12.959A	0.54
NO. 6 VOID P	OR S		30-34	6.375	6.459	21.126A	5.15
NO. 7 VOID P	OR S		12-13	14.52	6.344	36.962A	18.154
NO. 8 VOID P	OR S		10-13	14.52	6.344	36.962A	18.154

[illegible]