

## 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 <sup>2</sup>		m <sup>2</sup>		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 OVERFLOW CAPACITY	VOC FROM		FREE SURFACE MOMENT
			m <sup>3</sup>	t	WORKING BASE	LCG FROM STN 5	ABOVE BASE
					meters	meters	t-m
UPPER FLUME TANK		117'-128	111.7	79.1	49.6	5.650	11.424
MIDDLE FLUME TANK		117'-128	111.7	79.1	49.6	5.650	11.424
LOWER FLUME TANK		117'-128	111.7	79.1	49.6	5.650	11.424
TOTAL		353'-384	335.1	237.3	148.8	17.350	34.272

SPECIFIC GRAVITY = 0.80		LUBE OIL CAPACITIES				
COMPARTMENT	FRAMES	100% CAPACITY				
		85% CAPACITY	WGT. OF OIL BASE	WGT. OF SYN. BASE	FREE SURFACE	
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 <sup>2</sup>
	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	4.403	25.413	F 18.50
	NO.1 W.B. WING TANK STBD	163-75	41.3	41.3	42.3	5.555	29.943	F 18.18
	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	3.881	17.501	F 12.23
	NO.3 W.B. WING TANK STBD	148-152	50.8	50.8	50.8	3.881	17.501	F 12.23
	NO.4 W.B. W.B. TANK PORT	94-70	43.5	43.5	44.6	0.872	2.541	F 12.93
	NO.2 W.B. W.B. TANK STBD	94-70	59.5	59.5	61.0	0.839	12.584	F 262.98
	NO.2 W.B. W.B. TANK STBD	94-70	59.5	59.5	61.0	0.839	12.584	F 262.98
	TOTAL WATER BALLAST	1-15	111.4	59.6	60.4	5.555	14.538	F 72.00

FRESH WATER CAPACITIES		COMPARTMENT	FRAMES	100% CAPACITY	OVERFLOW CAPACITY	VOL FROM AIR BASE	VOL FROM SIN BASE	FREE SURFACE MOMENT
				m <sup>3</sup>	l	m <sup>3</sup>	m <sup>3</sup>	
		FRESH WATER TANK PORT	30-41	52.1	50.1	6.316	23.240	22.40
		FRESH WATER TANK STBD	30-41	52.1	50.1	6.316	23.240	22.40
		200% FRESH WATER	70-75	114.8	114.8	6.316	8.600	3.12
		200% FRESH WATER (100%)						

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	1	1	1	1	1	1	1
WASTE OIL TANK PORT	30-37	4.9	0.85	4.1	1.915	23.866	1.17
WASTE OIL TANK STBD	30-37	4.9	0.85	4.1	1.915	23.866	1.17
PORTER SLOSH TANK	58-64	25	0.88	20	1.729	33.997	1.29
PORTER SLOSH TANK	58-64	25	0.88	20	1.729	33.997	1.29

EXPANSION SYSTEM AND OBSERVATION TANKS				
WEIGHTS AT WORKING LEVEL INCLUDED IN LIGHTSHIP WEIGHT				
COMPARTMENT	100% CAPACITY		COMPARTMENT	100% CAPACITY
	FRAMES	m <sup>3</sup>		
AIRCOND. EXPANSION TANK	69-71	0.24	SEWAGE TRANSFER TANK	102-105
CENTR. COOLING EXPANSION TANK	79-81	1.54	VACUUM SEWAGE UNIT	92-94
CONDENSATE TANK	82-83	0.23	WATER TREATMENT TANK	95-97
E.R. SERVICE TANK AFT	36-37	0.23	HOTWELL ASSEMBLY	96-97
E.R. SERVICE TANKS FOR'D	55-58	0.46	HOTWELL TANK	71-75
EXPANSION TANK	59-61	0.55	BOILER OBSERVATION TANK	72-74
RESERVE OIL TANK	5-8	0.90	SEA CHEST	91-93
SEWAGE TANK	91-93	0.98	SEA CHEST P & S	91-93/94-96
EQUALIZATION TANKS	102-105	0.68		43-68

VOID COMPARTMENTS						
COMPARTMENT		FRAMES	100% CAPACITY	LOG FROM DISE	LOG FROM STN 5	FREE SURFACE MOMENT Ln SW
			mm <sup>2</sup>	meters	meters	
NO. 1 VOID P OR S		117-126	30.1	3.969	11.081F	1.44
NO. 2 VOID P OR S		109-116	72.2	9.083	28.41F	4.91
NO. 3 VOID P OR S		109-106	5.4	0.791	4.1F	2.01
NO. 4 VOID P OR S		54-70	19.1	6.375	12.659A	0.54
NO. 5 VOID P OR S		130-136	45.5	5.804	19.201A	0.55
NO. 6 VOID P OR S		130-136	142.6	6.534	36.862A	181.654
NO. 7 VOID CL		-102-13	142.6	6.534	36.862A	181.654

[illegible]