

Part I - Section I

GENERAL INFORMATION

1-1-1 HISTORY:

(a) This vessel is the second to be commissioned in the United States Navy bearing the name TUTUILA. The first TUTUILA was a Gun Boat and was sunk to prevent capture by the Japanese early in the present war. The second TUTUILA was built as a Merchant Vessel of Liberty Hull, type EC-2-s-c-1, and converted into an Internal Combustion Engine Repair Ship and designated ARG-4.

(b) The U.S.S. TUTUILA (ARG-4) was launched as the Arthur P. Gorman on September 12, 1943 and was delivered September 18, 1943.

1-1-2 DIMENSIONS:

(a) Length over all (molded)	441' - 6"
Length between perpendiculars	416' - 0"
Breadth on designers water line (molded)	56' - 10 3/4"
Mean draft Preliminary figure Loaded	18' - 0"
Light	10' - 3 3/8"
Tons per inch, immersion 45 1/2 tons per inch at	18' - 0"
Height of foremast above load waterline	104'
Height of mainmast above load waterline	101'

Height of foremast and mainmast truck lights above:

	Foremast	Mainmast
Mast head light	32' - 6"	28' - 0"
Side lights (at bridge deck)	77' - 0"	72' - 0"
Main deck rail	81' - 0"	78' - 0"
Superstructure deck (side)	66' - 0"	66' - 0"
Bridge	57' - 6"	58' - 0"

Frame spacing D-12 = 24"
 Number of frames 12-39 = 27"
 183 frames 39-162 = 30"
 162-183 = 24"

1-1-3 DIESEL FUEL CAPACITIES:

(a)	Compartment	Location	Diesel Oil Tons	Salt Water Tons
#1	D.B.T. \oint	12-39	117.	144.
#2	D.B.T. Port.	39-68	139.	171.
#2	D.B.T. Stbd.	39-68	138.	169.
#3	D.B.T. Port.	68-88	102.	126.
#3	D.B.T. Stbd.	68-88	102.	126.
#6	D.B.T. Port.	108-134	102.	125.
#6	D.B.T. Stbd.	108-134	102.	125. Fuel Oil.
#7	D.B.T. \oint	134-162	96.	118.

Total 898. 1104.

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<u>Compartment</u>	<u>Location</u>	<u>Diesel Oil Tons</u>
Settling Tank Port	88-96	44.
Settling Tank Stbd	88-96	44.
		<u>Total 88.</u>

		Diesel Oil Tons	Salt Water Tons
* #4 Deep T. Port.	108-116	314.	
#4 Deep T. Stbd.	108-116	303.	
		<u>Total 617.</u>	<u>1104.</u>

#1 D.O. Cargo D.T. Port.	12-25	92.	114.
#1 D.O. Cargo D.T. Stbd.	12-25	92.	114.
#2 D.O. Cargo Port.	25-39	170.	210.
#2 D.O. Cargo D.T. Stbd.	25-39	170.	210.
#3 D.O. Cargo D.T. Stbd.	39-51	193.	238.
#5 D.O. Cargo D.T. Port.	116-134	193.	238.
		<u>Total 910.</u>	<u>1124.</u>

#3 Deep T. Settler Port.	39-51	193.	238.	Settlers Salt
#5 Deep T. Settler Stbd.	116-134	178.	220.	Diesel Oil Water
		<u>Total 371.</u>	<u>458.</u>	<u>Tons Tons</u>
				<u>1281. 1581.</u>

Aux. Mach Space			
2 D.O. Tank Service		636 Gal.	
Inter Comb. Eng. Repair			
1 D.O. Tank Service		100 Gal.	
Refridg. Mach Space			Service Oil
1 D.O. Tank Service		52 Gal.	
Galley			
1 D.O. Tank Service		<u>318 Gal.</u>	

Total 1106 Gal.	or	3.42 Tons
Grand Total	D.O.	2384.00 Tons
Grand Total	S.W.	2685.00 Tons

* The #4 Deep Tanks (P) & (S) are not used for ballast.