HIPS NAME GLOUCESTER **7E**

STARBOARD MAIN ENGINE	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12
Cylinders, Pistons, Rods, Valves and Gears[1-2]	12/62	2/62	X 9.65	5/62	11/61	1/63				2/62 5/62		
Connecting Rods, Top ends and Guides[3] S	9.65	2/64	9.65	5/64 A/C 11/61	9.65	5/64						
Connecting Rods, Top ends and Guides[3] C	9.65	10.62	7.64	5/64	11/61	1/63						
Crankpins and Bearings[4] S	2/64	5/64	9.65	10.62	10.62	2/64						
Crankpins and Bearings[4] C	9.65	10.62	9.65	10.62	9.65	2/64						
Journals and Bearings[5]									all 10/62			

Camshaft driving chain sprockets & wheels - 9.65.

Compressors on Main Engine[6-9]		Compr. Coolers[10]	
Scavenge Pumps or Blowers[11-16]	1. Bearings Cylrs. + Crankpins 9.65. Conn. rod + T.E nds only 2/62	Gft pistons & covers 10/62	
Supercharger[17]			
Clutch or Hydraulic Coupling[21]		Gearing[22]	Detuner - 9.65.
Magnetic Coupling[f]		Air Gap[k]	
Thrust[23] 9.65.		Intermediate Shafting[24] 9.65.	
Holding Down Bolts & Chocks[25] 9.65.		Crankcase Relief Devices[31] 9.65.	Engine Tested 9.65.
Main Engine Driven Pumps[30]	Bilge ~~9.65~~	S.W. ~~Cooling~~ 9.65	F.W. ~~Cooling~~ 9.65	~~Lub. Oil~~ 9.65.	Fuel 9.65.

Independent Pumps[32]

Bilge (1) (P.S.A) 12/62	Ballast (1) aft. shafting S/H 11.62.	Fuel Transfer (1) 2.65	Fuel Service Diesel (1) 9.65.
~~Cyl.~~ Cooling (1) ⇦ 7/69	~~Piston~~ Cooling (2) F 12/62 A. 9.65.	Lub. Oil (2) F 10/62 A 9.65.	Fuel Valve Cooling (2) F – 5/64 A – 7/69
Feed (2) F – 5/64 A – 9.65.	Cond. Circulating	F.W. Coolers[35] ~~(1)~~ (2) (3) JCW {UP / LOW} – 5/64 Pubic CW (1) – 5/64	Lub. Oil Coolers[36] (1) P 7/69
Other Pumps having Bilge Connections	GS 10/62		Emgcy. fire pump - 9.65.

Bilge, Ballast and O.F. Lines[33] / Other Piping Arrgts. and Fittings[34]	X 9.65.		S.A. pipes - Selected main & cont. 9.65 Propellers and Sea Connections 9.65.
Condenser[26] (1)	X 2.65	Evaporator[42] (1) 2.65 Safety Valves[43]	Steam Pipes Over 3in. Bore Spare gear —
Oil Fuel Tanks[41] (5)	All 9.65.		Oil Burning Arrgts. Gravity with (1) heater
Steering Machy.[44] 9.65.		Windlass[45] 9.65.	Fire Ext. Arrgts.[46] 9.65.
Indep. Air Compressors[35] 2.ED 1 Shell of Gen. — 1.62 S – 5/64 P. Outbd 9.65.		Inbd 10.62 S. Outbd - 9.65.	Comp. Coolers Inbd 10.62
Main Air Receivers[29] (2)		Auxiliary Air Receivers[40] (1) 2.65	Distiller - 9.65.

AUXILIARY ENGINES	PF	PA	S	Emgcy.
3-8 fyl-300KW	1.62.	F.W. & oil coolers. ~~8/64~~ 6/64	~~Elec~~ 9.65.	~~Elec~~ 9.65.
1 Emergency driving emcy. compressor.				Elect Gen. 9.65.
W	AUX F.W. coolers 9.65.	AUX SW/FW. circ. Mp. – 9/65 AUX. SW. circ. Mps. Aft – 5/64		

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