

# RECIPROCATING STEAM ENGINE SURVEYS

TWIN.

	PORT	STARBOARD
H.P. CYLINDER & PISTON	} 11.63	} 11/65
1st I.P. CYLINDER & PISTON		
2nd I.P. CYLINDER & PISTON		
L.P. CYLINDER & PISTON	11.63	
H.P. VALVE	} 11.63	} 11/65
1st I.P. VALVE		
2nd I.P. VALVE		
L.P. VALVE	11.63	
CROSSHEADS	all 11.63	11/65
CRANK PINS & BEARINGS	all 11.63	UPPER All 8/65
JOURNALS & BEARINGS	ALL 11.63	all 11.63
L.P. TURBINES		
REDUCTION GEAR OR		
ELECTRIC GENERATORS OR		
STEAM COMPRESSORS		
ELECTRIC PROPELLING MOTORS		
THRUST SHAFT	12.65	11.63
INTERMEDIATE SHAFTING	11.65	11.65
HOLDING DOWN BOLTS, ETC.	7/62	7/62
ENGINE TEST	666 7/62	7/62 6.66
BULKHEAD STOP VALVES	} P 11/63 S 11/65	
MANOEUVRING VALVES		
DE-SUPERHEATER		
RE-HEATER		
STEAM PIPES		6/62
DYNAMO STEAM ENGINES	A P.FWD-1-63 No2 Aft-Port 11/64. S. Aft- 5.63 FS 9/65	
AUXILIARY OIL ENGINES	2 upper 2/63 lower 11.63 - 4.66 Starting air/ 6.66 pipe	
AIR RECEIVERS	2 upper 2/63 lower 6.66 lower 6/62	AIR COMPRESSORS 2 upper 2/63 lower 4.66

MINIMUM NO. AND CAPACITY OF GENERATORS REQUIRED FOR ESSENTIAL SERVICES

Name EMPIRE GANNET.

10E

	MAIN	AUX.
CONDENSERS	P 11.65 S 11.65	
AIR PUMPS	ATTACHED INDEPENDENT	P 11/63 S 11/65
CIRCULATING PUMPS	ATTACHED INDEPENDENT	all P 45 Both 8/63 & prime mover
FEED PUMPS	ATTACHED INDEPENDENT	STAR 3 <sup>rd</sup> FWD 11.63 P.F. 11/63 SA 12.65 PA 4.66
FEED HEATERS	2 6/62 6.66	
FEED FILTERS		
BILGE PUMPS	ATTACHED INDEPENDENT	4 Elec Ford for bilge 4/65 AFT F/B 11.63 PORT F/B 11/63 Starb F/B 4/65 Emergency bilge 9/65
BALLAST PUMPS	2 P-11.63 S-5/66	
GENERAL SERVICE PUMPS	1 6/62	
LUBRICATING OIL PUMPS		
LUBRICATING OIL COOLERS		
OIL FUEL TRANSFER PUMPS	1 DO Port B.R. transfer pump 4/65. 1 HO. Starb - 5.66. - Starb R. 3.66.	
PUMPING ARRANGEMENTS	6/62	
OIL FUEL INSTALLATION	PUMPS 2 PORT 11/63 Starb 12.65 HEATERS 2 11/65	
FORCED/INDUCED DRAUGHT FANS	3 P 11/63 S 11/65	EVAP. PUMPS. Continuation SW feed all P-2/64 S-3.66
EVAPORATORS	3 P-11.65 S. 5/62 6.66 & 8.66	
DISTILLERS	5-12.65	
STEERING GEAR	6/62 6.66	
WINDLASS	6/62 6.66	
FIRE EXTINGUISHING ARRANGEMENTS		Spare gear 6.66
SEA CONNECTIONS	8-63	
OIL FUEL TANKS	Not fitted	
AUXILIARY ELECTRICAL EQUIPMENT		
GENERATORS	P. FWD No2 - 1.65	
MOTORS		CABLES all 6.66
SWITCHBOARDS		INSULATION RESISTANCE all 6.66
CIRCUIT BREAKERS		STEERING GEAR all 6.66
		NAV. LIGHT INDICATORS