

ELECTRIC PROPULSION	PORT	STARBOARD
GENERATORS		
EXCITERS		
AIR COOLERS		
MOTORS		
AIR COOLERS		
CONTROL GEAR		
INSULATION RESISTANCE		
INSULATING OIL TEST		
OVERSPEED GOVERNORS		
MAGNETIC COUPLINGS & AIR CAPS		

MINIMUM NUMBER OF GENERATORS REQUIRED FOR ESSENTIAL SERVICES

MOTOR SHIP SURVEYS

PORT 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 & GEARS												
CONNECTING RODS, TOP ENDS & GUIDES												
CRANKPINS & BEARINGS												
JOURNALS & BEARINGS												
SCAVENGE PUMPS												
SCAVENGE BLOWERS	COMPRESSORS ON MAIN ENGINE					COMPR. COOLERS						
SUPERCHARGER	CLUTCH OR COUPLING					GEARING						
THRUST	INTERMEDIATE SHAFTING											
HOLDING DOWN BOLTS & CHOCKS	CRANKCASE RELIEF DEVICES					ENGINE TEST						
MAIN ENGINE DRIVEN PUMPS	BILGE	S.W. COOLING		F.W. COOLING		LUB. OIL		FUEL				

AUXILIARY ELECTRICAL EQUIPMENT

GENERATORS	CABLES
MOTORS	INSULATION RESISTANCE
SWITCHBOARDS	STEERING
CIRCUIT BREAKERS	NAV. LIGHT. INDICATORS

AUXILIARY ENGINES

NUMBER & DESCRIPTION				
3-501 @ 250 RPS 1- Compressor.	P.F.	P.A. IN.	S.A. OUT.	Compressor Engine.
		4.63		
INDEPENDENT PUMPS FOR AUX. ENGINES	Aux. Oil cooler (3) " F.W. cooler (1)			

Name "KOTEI MARU"

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 & GEARS			4.63									
CONNECTING RODS, TOP ENDS & GUIDES			4.63									
CRANKPINS & BEARINGS			4.63									
JOURNALS & BEARINGS				4.63		4.63						
SCAVENGE PUMPS												
SCAVENGE BLOWERS (2) 1 by Aux. SUPERCHARGER Alt. cooler (2)	COMPRESSORS ON MAIN ENGINE					COMPR. COOLERS						
THRUST	INTERMEDIATE SHAFTING					No. 5 & 6 - 4.63						
HOLDING DOWN BOLTS & CHOCKS	CRANKCASE RELIEF DEVICES					ENGINE TEST						
MAIN ENGINE DRIVEN PUMPS	BILGE	S.W. COOLING		F.W. COOLING		LUB. OIL		FUEL				
INDEPENDENT PUMPS	BILGE (1) PA - 4.63	BALLAST/Edp. (1) PA - 4.63		FUEL TRANSFER (1)		FUEL PRIMING SURCHARGE (1)						
S.W. COOLING (2) S.F. OUT - 4.63 S.F. IN -	F.W. COOLING (2) S. OUT - S. IN -		LUB. OIL (2) PF - PA - 4.63		FUEL VALVE COOLING done by P.C. pumps (F.W.)							
FEED (2) S. OUT - 4.63 S. IN -	GENERAL SERVICE (1) P.A. - 4.63		F.W. COOLERS (3) (2) boiler. (1) Jet.		LUB. OIL COOLERS (1)							
FORCED CIRCULATION PUMPS (2)	OTHER PUMPS WITH BILGE CONNECTIONS											
BILGE, BALLAST & O.F. LINES	EVAPORATOR SAFETY VALVES					PROPELLERS SEA CONNECTIONS						
OTHER PIPING ARRGTs. & FITTINGS	CONDENSER (1)					(2) Steam STEAM PIPES OVER 3" BORE						
OIL FUEL TANKS (5)	H.O.D. for M.E. heaters (2) oil burning system gravity					STARTING AIR PIPES 4.63						
STEERING MACHINERY (2 by Aux.)	WINDLASS					FIRE EXT. SYSTEM						
INDEP. AIR COMPRESSORS (1 by Kotohama)	P. Inbd 4.63					COMPR. COOLERS						
MAIN AIR RECEIVERS (2) PF - PA -						AUXILIARY AIR RECEIVERS (1)						