

MOTOR SHIPS

NAME *CHARMO.*

7E

NAME

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 and Gears ^{1,2}				8/60								
Connecting Rods, Top ends and Guides ³				8/60								
Crankpins and Bearings ⁴				8/60								
Journals and Bearings ⁵				8/60	8/60							
Compressors on Main Engine ^{6,9}									Compr. Coolers ¹⁰			
Scavenge Pumps or Blowers ^{11,16}												
Supercharger ¹²	EX GAS.											
Clutch or Hydraulic Coupling ²¹									Gearing ²² SRE STARD			
Magnetic Coupling ⁷									Air Gap ⁸			
Thrust ²³									Intermediate Shafting ²⁴			
Holding Down Bolts & Chocks ²⁵									Crankcase Relief Devices ²¹			
Main Engine Driven Pumps ³⁰	Bilge		S.W. Cooling /		F.W. Cooling /		Lub. Oil 3		Fuel			Engine Tested

ELECTRIC PROPULSION

PORT

STARBOARD

Generators ^a		
Exciters ^b		
Air Coolers ^c		
Motors ^d		
Air Coolers ^e		
Control Gear ^f		
Insulation Resistance ^g		
Insulating Oil Test ^h		
Overspeed Governors ⁱ		

AUXILIARY ELECTRICAL EQUIPMENT

For essential service after

440 AMPS

Generators ^j	
Motors ^m	
Switchboards ⁿ	
Circuit Breakers ^o	
Cables ^p	
Insulation Resistance ^q	
Steering Gear ^r	Navigation Light Indicators ^s

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}	8/60											
Connecting Rods, Top ends and Guides ³	8/60											
Crankpins and Bearings ⁴	8/60											
Journals and Bearings ⁵	8/60	8/60										
Compressors on Main Engine ^{6,9}	BELT DRIVEN.								Compr. Coolers ¹⁰			
Scavenge Pumps or Blowers ^{11,16}												
Supercharger ¹²	EX GAS											
Clutch or Hydraulic Coupling ²¹									Gearing ²² SR. GEAR TO ONE SCREW			
Magnetic Coupling ⁷									Air Gap ⁸			
Thrust ²³									Intermediate Shafting ²⁴			
Holding Down Bolts & Chocks ²⁵									Crankcase Relief Devices ²¹			
Main Engine Driven Pumps ³⁰	Bilge		S.W. Cooling /		F.W. Cooling /		Lub. Oil 3		Fuel			Engine Tested
Bilge BALLAST & FIRE BY AUX ENG	Ballast BILGE & FIRE BELT DR. BY PORT ME.		Fuel Transfer		Fuel Service							
Cyl. Cooling	Piston Cooling		Lub. Oil HAND		Fuel Valve Cooling							
Feed	Cond. Circulating		F.W. Coolers ³⁵ /		Lub. Oil Coolers ³⁶ 2							
Other Pumps having Bilge Connections												
Bilge, Ballast and O.F. Lines ³³												
Other Piping Arrgts. and Fittings ³⁴												
Condenser ³⁷												
Evaporator ³⁸ Safety Valves ³⁹												
Oil Fuel Tanks ⁴¹ 2												
Steering Machy. EL. HYD												
Windlass ⁴⁵												
Indep. Air Compressors ³⁸ 1 By Aux Eng												
Main Air Receivers ⁴⁰ 2												
Auxiliary Air Receivers ⁴⁰												
AUXILIARY ENGINES												
1. - 3 cyl 10KW also pps & Comp ^r												
1-10KW. by Sin ^o M.R.												



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CHARMO



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