

MOTOR SHIPS

NAME IVAN.

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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}												
Connecting Rods, Top ends and Guides ³												
Crankpins and Bearings ⁴												
Journals and Bearings ⁵												
Compressors on Main Engine ^{6,9}								Compr. Coolers ¹⁰				
Scavenge Pumps or Blowers ^{11,16}												
Supercharger ¹⁷												
Clutch or Hydraulic Coupling ²¹							Gearing ²²					
Magnetic Coupling ⁷							Air Gap ⁸					
Thrust ²³							Intermediate Shafting ²⁴					
Holding Down Bolts & Chocks ²⁵					Crankcase Relief Devices ²¹				Engine Tested			
Main Engine Driven Pumps ²⁰	Bilge	S.W. Cooling		F.W. Cooling		Lub. Oil		Fuel				

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}									all 11.58			
Connecting Rods, Top ends and Guides ³									all 11.58			
Crankpins and Bearings ⁴									all 11.58			
Journals and Bearings ⁵									all 11.58			
Compressors on Main Engine ^{6,9}								Compr. Coolers ¹⁰				
Scavenge Pumps or Blowers ^{11,16}												
Supercharger ¹⁷												
Clutch or Hydraulic Coupling ²¹							Gearing ²²					
Magnetic Coupling ⁷							Air Gap ⁸					
Thrust ²³	11.55						Intermediate Shafting ²⁴ 11.55					
Holding Down Bolts & Chocks ²⁵					Crankcase Relief Devices ²¹				Engine Tested			
Main Engine Driven Pumps ²⁰	Bilge (1) 11.55		S.W. Cooling 4		F.W. Cooling 11.55		Lub. Oil		Fuel			

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		

Independent Pumps ³²	Bilge	Ballast	Fuel Transfer	Fuel Service
Cyl. Cooling		Piston Cooling	Lub. Oil	Fuel Valve Cooling
Feed		Cond. Circulating	F.W. Coolers ³⁵	Lub. Oil Coolers ³⁶
Other Pumps having Bilge Connections				

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

Bilge, Ballast and O.F. Lines ³³		Propellers and Sea Connections 4/7	
Other Piping Arrgts. and Fittings ³⁴		Steam Pipes Over 3in. Bore	
Condenser ³⁸	Evaporator ³⁹ Safety Valves ³⁹	Oil Burning Arrgts.	
Oil Fuel Tanks ⁴¹ (1)	Steering Machy. 11.55 6/57	Windlass ⁴⁵ 11.55 6/57	Fire Ext. Arrgts. ⁴⁶
Indep. Air Compressors ³⁵ (1) 11.55	Comp. Coolers		
Main Air Receivers ⁴⁰ 2	Auxiliary Air Receivers ⁴⁰		
AUXILIARY ENGINES	Starboard No. 1.	Port No. 2 (Lester)	
No. 1 Starboard 40 kw			
No. 2 Port 4 cyl Lester			