

NAME

MOTOR SHIPS

NAME MADELEINE

7E

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												
Scavenge Pumps or Blowers ¹¹⁻¹⁶												
Supercharger ¹⁷												
Clutch or Hydraulic Coupling ²¹												
Magnetic Coupling ⁷												
Thrust ²³												
Holding Down Bolts & Chocks ²⁵												
Main Engine Driven Pumps ³⁰												

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
Generators ^j
Motors ^k
Switchboards ^l
Circuit Breakers ^m
Cables ⁿ
Insulation Resistance ^o
Steering Gear ^p

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	7/63	9/65			7/63	7/63	7/63	7/63				
Connecting Rods, Top ends and Guides ³	9/62	6-61	9/62	10/61	2/62	6/62	6-61	6-61	10/61			
Crankpins and Bearings ⁴												
Journals and Bearings ⁵												
Compressors on Main Engine ⁶⁻⁹												
Scavenge Pumps or Blowers ¹¹⁻¹⁶	9/65	9/65	9/65	9/65	7/63	7/63	7/63	7/63	9/65			
Supercharger ¹⁷												
Clutch or Hydraulic Coupling ²¹												
Magnetic Coupling ⁷												
Thrust ²³	7/63	9/62										
Holding Down Bolts & Chocks ²⁵	7/63	9/62										
Main Engine Driven Pumps ³⁰												

Bilge	Ballast	Fuel Transfer	Fuel Service
① 12.64	① 12.64	② 12.64	② 7/63
Cyl. Cooling SW ②	Riston Cooling FW ②	Lub. Oil ③	Fuel Valve Cooling ②
Inso-10/6	Pow 12.64	all 12.64	Both 9/65
Both 6/64	Cond. Circulating ①	F.W. Coolers ³³ ①	Lub. Oil Coolers ³⁶ ②
Feed ②	9/62	7/63	Both 10/61
Filter 2.65	also on bilge	10/61 9/62	7/63
Other Pumps having Bilge Connections	6/64	9/62	
Bilge, Ballast and O.F. Lines ³⁵	6/64		
Other Piping Arrgts. and Fittings ³⁴	6/64		
Condenser ³⁸ ①	Evaporator ³⁹ Safety Valves ⁴⁰	Steam Pipes Over 3in. Bore	Oil Burning Arrgts.
Oil Fuel Tanks ⁴¹	Windlass ⁴²	Fire Ext. Arrgts. ⁴³	Comp. Coolers
Steering Machy. ⁴⁴	Indep. Air Compressors ⁴⁵	Main Air Receivers ⁴⁶	Auxiliary Air Receivers ⁴⁷
② elect. 12.64	② 7/63		
AUXILIARY ENGINES			
② diesel each 165 KW			
① steam 110 KW			
① harbor 20 KW			