

MOTOR SHIPS

NAME *ATHEL SULTAN*

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}									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 ²⁶	Bilge		S.W. Cooling		F.W. Cooling		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		

AUXILIARY ELECTRICAL EQUIPMENT	
Generators ^j	
Motors ^k	
Switchboards ^l	
Circuit Breakers ^m	
Cables ⁿ	
Insulation Resistance ^o	<i>1163</i>
Steering Gear ^p	Navigation Light Indicators ^q

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}	<i>1163</i>	<i>1163</i>											
Connecting Rods, Top ends and Guides ³	<i>8.61</i>	<i>8.61</i>											
Crankpins and Bearings ⁴	<i>1163</i>	<i>1163</i>											
Journals and Bearings ⁵	<i>8.81</i>	<i>8.61</i>											
Compressors on Main Engine ^{6,9}									Compr. Coolers ¹⁰				
Scavenge Pumps or Blowers ^{11,16}	<i>(2) F. 8.61</i>												
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 <i>1163</i>				
Main Engine Driven Pumps ²⁶	Bilge		S.W. Cooling		F.W. Cooling		Lub. Oil		Fuel				
	<i>8.61</i>		<i>8.61</i>		<i>1163</i>		<i>1163</i>		<i>1</i>				
Independent Pumps ²⁷	Bilge <i>① 8.61</i>		Ballast <i>①</i>		Fuel Transfer <i>①</i>		Fuel Service						
	<i>GS ①</i>												
	Cyl. Cooling <i>SW ①</i>		Piston Cooling <i>FW ①</i>		Lub. Oil <i>①</i>		Fuel Valve Cooling <i>(2)</i>						
	Feed <i>②</i>		Cond. Circulating		F.W. Coolers ²⁸ <i>①</i>		Lub. Oil Coolers ²⁹ <i>②</i>						
Other Pumps having Bilge Connections												<i>H.O. cooler 1163</i>	
Bilge, Ballast and O.F. Lines ³⁰													
Other Piping Arrgts. and Fittings ³¹													
Condenser ³² <i>①</i>						Evaporator ³³ Safety Valves ³⁴ <i>①</i>						Propellers and Sea Connections <i>part 1163</i>	
Oil Fuel Tanks ³⁵													Steam Pipes Over 3in. Bore
Steering Machy. ³⁶													Oil Burning Arrgts.
Indep. Air Compressors ³⁷ <i>2 Steam</i>						Windlass ³⁸ <i>A-1163 (COMP. ONLY)</i>						Fire Ext. Arrgts. ³⁹	
Main Air Receivers ⁴⁰ <i>(2)</i>													Auxiliary Air Receivers ⁴¹ <i>(1)</i>
AUXILIARY ENGINES													
<i>2, Steam 50KW</i>													<i>P (Steam)</i>
<i>1, Diesel 50KW</i>													<i>S (Steam)</i>
													<i>Diesel</i>