

NAME ISE MARU

MOTOR SHIPS

NAME ISE MARU

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					
Main Engine Driven Pumps ³⁰							Engine Tested					
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

LTP 760 KVA

Generators ¹	
Motors ²	
Switchboards ³	
Circuit Breakers ⁴	
Cables ⁵	
Insulation Resistance ⁶	
Steering Gear ⁷	
Navigation Light Indicators ⁸	

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}	7.57	7.57			2.56		2.56		2.56	7.57				
Connecting Rods, Top ends and Guides ³	7.57	7.57	8.55	9.56	8.55	2.56	9.56	8.55	9.56	7.57				
Crankpins and Bearings ⁴	7.57	7.57	8.55	9.56	8.55	2.56	9.56	8.55	9.56	7.57				
Journals and Bearings ⁵	9.56	7.57	8.55	2.56	2.58	9.56	8.55	7.57	9.56	7.57	8.55	7.57		
Compressors on Main Engine ^{6,9}							Compr. Coolers ¹⁰							
Scavenge Pumps ¹¹⁻¹⁶ or Blowers ¹⁰	No. 1, 4, 8 - 7.57 No. 2, 5, 9 - 8.55 No. 7 - 2.56 No. 6 - 8.55 No. 3, 10, 9.56													
Supercharger ¹⁷														
Clutch or Hydraulic Coupling ²¹							Gearing ²²							
Magnetic Coupling ⁷							Air Gap ⁸							
Thrust ²³	8.55 7.57						Intermediate Shafting ²⁴							
Holding Down Bolts & Chocks ²⁵	8.58						Crankcase Relief Devices ²¹							
Main Engine Driven Pumps ³⁰	Bilge / 8.58 with pump for 8.55						S.W. Cooling		F.W. Cooling		Lub. Oil		Fuel	
Bilge /	Ballast / Bilge		Fuel Transfer /		Fuel Service									
8.58	8.58		Both 8.58											
Cyl. Cooling SW 2 RF + PA 8.55	Piston Cooling FW 2		Lub. Oil 3 RF + PA 8.55		Fuel Valve Cooling									
	NONE?		A. 7.57 8.58		Inlet Oil 2.58									
Feed Both 8.58	Cond. Circulating		F.W. Coolers ³⁵		Lub. Oil Coolers ³⁶ 2									
	FRA Inlet Cool 2.58		NONE? X		8.55									
Other Pumps having Bilge Connections														
Bilge, Ballast and O.F. Lines ³³														
Other Piping Arrgts. and Fittings ³⁴														
Propellers and Sea Connections 8.55 7.57 8.58														
Condenser ³⁵ 8.55 8.58														
Evaporator ³⁶ / Safety Valves ³⁷														
Steam Pipes Over 3in. Bore 40														
Oil Fuel Tanks ³⁸ 2.58														
Oil Burning Arrgts. 8.58														
Steering Machy. ³⁹ 8.58														
Windlass ⁴⁰ 8.58														
Fire Ext. Arrgts. ⁴¹ 7.57 8.58														
Comp. Coolers														
Main Air Receivers ⁴² 2														
Auxiliary Air Receivers ⁴³ 8.58														
AUXILIARY ENGINES														
2-6 cyl C 330KVA														
1-6 cyl C 100KVA														
2-6 cyl C 330KVA														
1-6 cyl C 100KVA														