

NAME

MORAN

MOTOR SHIP

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 ¹⁻³	1/59 1.58 3/57	1/59 1.58 3/57	1/59 1.58 3/57	2/59 4.58 1/16	2/59 4.58 2/56	2/59 4.58 2/56						
Connecting Rods, Prop ends and Guides ⁴	3/59 6.16	1.58	1.58	4.58 1.58	4.58 1.58	4.58 1.58						
Crankpins and Bearings ⁵	1.58	10/52 3/59 4.56	4.58 10/56	4.58 1.58	4.58 4.57	4.58 1.58						
Journals and Bearings ⁶	1.58	1.58 1.56	1.58 7.56	1.58	1/59 1.58	1.58 3.56	1.58 7.57 9.58	1.58				
Compressors on Main Engine ⁷⁻⁹							Compr. Coolers ¹⁰					
Average Pumps Blowers ¹¹⁻¹⁶												
Supercharger ¹⁷												
Clutch or Hydraulic Coupling ¹⁸							Gearing ²²					
Magnetic Coupling ¹⁹							Air Gap ²³					
Trust ²⁴	1.58			Intermediate Shafting ²⁵ 4/59. 4/58								
Holding Down Bolts & Chocks ²⁶	4/59			Crankcase Relief Devices ²⁷ 1.58			Engine Tested					
Main Engine Driven Pumps ²⁸	Bilge		S.W. Cooling		F.W. Cooling		Lub. Oil		Fuel			

ELECTRIC PROPULSION

PORT

STARBOARD

Generators ¹		
Exciters ²		
Motor Coolers ³		
Motor ⁴		
Motor Coolers ⁵		
Control Gear ⁶		
Insulation Resistance ⁷		
Insulating Oil Test ⁸		
Reversing Governors ⁹		

AUXILIARY ELECTRICAL EQUIPMENT

Generators ¹	
Motors ²	
Switchboards ³	
Circuit Breakers ⁴	
Tables ⁵	
Insulation Resistance ⁶	
Reversing Gear ⁷	

Navigation Light Indicators⁸

	PORT & OTHER COMP. ENGINES			
	1	2	3	4
CYL	1/59 ↑ 1.58	10/57 ↑ 1.58	1/58 ↑ 1.58	↑
TE	4/57 ↓ 1.58	1/58 ↓ 1.58	7.56 ↓ 1.58	8.52 ↓ 1.58
BE	3/57 ↓ 1.58	1/58 ↓ 1.58	↓	↓ 1.58
MB	all 1.58	all 1.58	all 1.58	↓
CYL	10/57 ↑ 1.58	1/58 ↑ 1.58	10/57 ↑ 1.58	3/59 ↑ 1.58
TE	3/57 ↓ 1.58	1/58 ↓ 1.58	10/57 ↓ 1.58	↓
BE	↓ 1.58	1/58 ↓ 1.58	↓	↓
MB	all 1.58	all 1.58	↓	↓
CYL	1/59 ↑ 1.58	1/58 ↑ 1.58	1/58 ↑ 1.58	↑
TE	4/57 ↓ 1.58	1/58 ↓ 1.58	10/57 ↓ 1.58	↓
BE	↓ 1.58	1/58 ↓ 1.58	↓	↓
MB	all 1.58	all 1.58	↓	↓

© 2018

Lloyd's Register Foundation

STARBOARD MAIN ENGINE							No. 7	No. 8	No. 9	No. 10	No. 11	No. 12
Cylinders, Pistons, Rods, Valves and Gears ¹⁻²	No. 1 11/58 8.57 10.56	No. 2 11/58 8.57 10.56	No. 3 11/58 8.57 10.56	No. 4 9.58 10.57	No. 5 9.58 10.57	No. 6 9.58 10.57	all valves & gears 1.58					
Connecting Rods, Top ends and Guides ³	3/59	4.56 10.56	8.57	5/59 8.56	5/59 8.56	5/59						
Crankpins and Bearings ⁴	3/59 1.58	5/59 1.58	5/59 8.57 10.56	4.57 8.56	4.58 8.56	11/58 10.57						
Journals and Bearings ⁵	1.58	5/59 1.58 4.56	5/59 1.58 4.56	1.58	1.58	1.58 8.57	1.58 4.56	1.58				
Compressors on Main Engine ⁶⁻⁹							Compr. Coolers ¹⁰					
Scavenge Pumps or Blowers ¹¹⁻¹⁶												
Supercharger ¹⁷												
Clutch or Hydraulic Coupling ¹⁸												
Magnetic Coupling ¹⁹												
Thrust ²⁰	7.56											
Holding Down Bolts & Chocks ²¹	4/59											
Main Engine Driven Pumps ²²												
Bilge	S.W. Cooling			F.W. Cooling			Lub. Oil			Fuel 10/52		

Independent Pumps ²³	Bilge	4.56 PA 8.56	Ballast	P. 5.59 1.59	Fuel Transfer	Do 2/56 SF (D.Oil) - 11/58	Fuel Service
	Cyl. Cooling	1.58 P.O. 8.56 S.I. 8.56 P. 9.56 A. 11/58 F. 8.58	Piston Cooling	P. (F.W.) 1.58 S.I. 7.56 Cond. Circulating	Lub. Oil	P. 1.58 S.I. 1.58 S.O. 2/56 F.W. Coolers ²⁴ P. 6.57 S. 8.57	Fuel Valve Cooling
	Other Pumps having Bilge Connections	all mtd. sam 5.56 PA sam 7.56					
	n° 1 & 3 Sam 1.58						

Bilge, Ballast and O.F. Lines ²⁵		4/59.		Propellers and Sea Connections 4.56 10.52 11/58 3.59 1.58	
Other Piping Arrgts. and Fittings ²⁶				Steam Pipes Over 3in. Bore	
Condenser ²⁷ 10/52 1.59 Air Pump 3.58		Evaporator ²⁸ P. 11/58 Safety Valves ²⁹		Oil Burning 5. Pump 3/57 5. H. 11/58. Arrgts.	
Oil Fuel Tanks ³⁰ Part 7nd main dist 10.59 Header & Sailing 5.59 Cum. dist (P.S.) 1.59				Fire Ext. Arrgts. ³¹ 4/59.	
Steering Machy. ³² Both oil pump - 1/59. 5.59		Windlass ³³ 8.59		Comp. Coolers ³⁴ S. HP 8.57 P. 10/52 C. 10/57	
Indep. Air Compressors ³⁵ 3 ED + 1 S.M.A.L.E.D. 3 ON COMB. SETS		P. 10.56 S. 10			

AUXILIARY ENGINES	P. 1 (3 and P.O. 6 and	C. 3 and S.I. 2 and	S.O. 6 and
3 - 3 and	3/57 1.59	3/56	N° 1 unit 10/56
2 6 and 8 17X	8/56	7.56	1.59
COMP. ENGINES	M. 2.3 and all main P. 6.57	P. 6.57	all 1.58
	1.58	1.58	all 1.58
	1.58	1.58	all 1.58