

NAME

MOTOR SHIPS

NAME Twin Screw M.V. DURHAM

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	12/64	10/62	12/63	12/64	2.61	2.61	3.61	4.62				
Connecting Rods, Top ends and Guides ³	5.61	10/60	3.63	5.61	5.61	4/61	10/63	10/63				
Crankpins and Bearings ⁴	1.65	10/60	6/63	6/63	5.61	4/61	10/60	10/60				
Journals and Bearings ⁵		11.65						11.65				
Compressors on Main Engine ⁶⁻⁹	Compr. Coolers ¹⁰											
Scavenge Pumps or Blowers ¹¹⁻¹⁶	Con-Rod, Top End, Crankpin & Bearings - 6/61 CYL. COVER (Piston & Rod) - 8/62											
Supercharger ¹⁷												
Clutch or Hydraulic Coupling ¹⁸	Gearing ¹⁹											
Magnetic Coupling ²⁰	Air Gap ²¹											
Thrust ²²	9/64	Intermediate Shafting ²⁴				9/64						
Holding Down Bolts & Chocks ²⁵	9/64	Crankcase Relief Devices ²⁶				none	Engine Tested				9/64 11/65	
Main Engine Driven Pumps ²⁷	Bilge	S.W. Cooling	F.W. Cooling	Lub. Oil	Fuel							

ELECTRIC PROPULSION

PORT

STARBOARD

Generators ²⁸	
Exciters ²⁹	
Air Coolers ³⁰	
Motors ³¹	
Air Coolers ³²	
Control Gear ³³	
Insulation Resistance ³⁴	
Insulating Oil Test ³⁵	
Overspeed Governors ³⁶	

AUXILIARY ELECTRICAL EQUIPMENT

Generators ³⁷	
Motors ³⁸	
Switchboards ³⁹	
Circuit Breakers ⁴⁰	
Cables ⁴¹	
Insulation Resistance ⁴²	
Steering Gear ⁴³	Navigation Light Indicators ⁴⁴

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	5/63	3.63	4.62	12/64	5.61	3/64	5.61	12/60	12/60			
Connecting Rods, Top ends and Guides ³	3.63	3.63	8.62	8.62	5.61	3.63	12/63	5.61				
Crankpins and Bearings ⁴	3.63	4/63	8.62	8.62	3.63	6/63	3.63	3.63				
Journals and Bearings ⁵	6/61	6/61	6/61	6/61	6/61	6/61	6/61	5.61	5.61	5.61		

Compressors on Main Engine ⁶⁻⁹	Compr. Coolers ¹⁰											
Scavenge Pumps or Blowers ¹¹⁻¹⁶	3.63, Journal & Bearings - 6/61											
Supercharger ¹⁷												
Clutch or Hydraulic Coupling ¹⁸	Gearing ¹⁹											
Magnetic Coupling ²⁰	Air Gap ²¹											
Thrust ²²	9/64	Intermediate Shafting ²⁴				9/64						
Holding Down Bolts & Chocks ²⁵	9/64	Crankcase Relief Devices ²⁶				none	Engine Tested				9/64 11/65	
Main Engine Driven Pumps ²⁷	Bilge	S.W. Cooling	F.W. Cooling	Lub. Oil	Fuel							

Bilge (2)	Ballast (1)	Fuel Transfer (2)	Fuel Service
S (ED) 5.61	4.62	Hand. 10/60 D.O. - 3.63	
P. aft - 3.63		AFT 8/62	
Cyl. Cooling SW (3)	Piston Cooling FW (3)	Lub. Oil (3)	Fuel Valve Cooling
P.S. Fwd. - 10/60	Hand. + P. 8/65	S.S. - 10/60	
P. 2. Aft. - 10/60	Hand. + P. 8/61	P. HP + LP - 8/62	
Anti 4.62	A. 9.61	Star " - 10.63	
Feed (2)	Cond. Circulating	F.W. Coolers ³⁵ (4)	Lub. Oil Coolers ³⁶ (2)
F 8/62		Jacket (2) Both - 3.63	Both 9.61
A - 3.63		Piston (2) Both - 3.63	Both 8.61
		Port - aux - 3.63	

Bilge, Ballast and O.F. Lines ³⁷	9/64	Propellers and Sea Connections	10/60 3.63
Other Piping Arrgts. and Fittings ³⁸	9/64	Steam Pipes Over 3in. Bore	9/64
Condenser ³⁹	10.63	Oil Burning Arrgts.	9/64
Oil Fuel Tanks ⁴⁰	P. A. daily service 9/64	Fire Ext. Arrgts. ⁴¹	9/64
Steering Machy. ⁴²	S. Unit - 3.63	Comp. Coolers	S.S. HP - 10/60 S - 8/62
Indep. Air Compressors ⁴³	2 Elect. S - 8/62 P - 3.63		
Main Air Receivers ⁴⁴	(4) S.S.F. 10/60 P. A. + FWD - 3.63		
Auxiliary Air Receivers ⁴⁵	(1) 9/64		

AUXILIARY ENGINES	S. Fwd 300kw	S. Aft 300kw	P. Aft 300kw	Steam
3 @ 300kw each	8/62	Complete - 3.63	5.61	(X) FAL RPA No. 14650
1 @ 200kw. Steam			12/62	states this unit no longer used
			9/64	

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Lloyd's Register

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