

7E

NAME _____

[illegible]

| 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} | 10/63 11/64 | 10/63 | 11/64 | 10/63 | 11/64 | 10/63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connecting Rods, Top ends and Guides ³ | 10/63 11/64 | | 11/64 | 10/63 | 11/64 | 10/63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crankpins and Bearings ⁴ | 11/64 | | 11/64 | 10/63 | 11/64 | 10/63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Journals and Bearings ⁵ | 11/64 | x | x | x | 10/62 | x | 961 | x | x | 960 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compressors on Main Engine ^{6,9} | | | | | | | Compr. Coolers ¹⁰ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scavenge Pumps or Blowers ^{11,16} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Supercharger ¹⁷ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clutch or Hydraulic Coupling ¹⁸ | | | | | | | Gearing ¹⁹ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Magnetic Coupling ⁷ | | | | | | | Air Gap ⁸ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrust ²³ | 961 | | | Intermediate Shafting ²⁴ | | | 961 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Holding Down Bolts & Chocks ²⁵ | 961 | | | Crankcase Relief Devices ²¹ | | | not fitted due to alt. No. 9654 | | | Engine Tested 1061 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Main Engine Driven Pumps ³⁰ | Bilge (1) 11/64 | | | S.W. Cooling | | | F.W. Cooling | | | Lub. Oil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | Fuel HP&LP 11/64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Independent Pumps ³² | (F.D.) Bilge (1) 961 | | | Ballast (2) (1 steam) - 961 (1 E.D.) - | | | (F.D.) Fuel Transfer (2) steam - 961 Fuel - | | | Fuel Service (2) not fitted due to alt. No. 9654 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | C.A. Cooling P - 961 S - 961 | | | Piston Cooling E.D. 961 (S.W. oil pump on one motor each) | | | (F.D.) Lub. Oil (2) 961 | | | Fuel Valve Cooling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Feed (5) No 1 Port cut 11/64 2 & 3 - 961 | | | Cond. Circulating (1) 11/64 Extraction hp (2) X Ballast water pump - | | | F.W. Coolers ³⁵ | | | Lub. Oil Coolers ³⁶ 1061 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Other Pumps having Bilge Connections | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Bilge, Ballast and O.F. Lines ³³ 961 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other Piping Arrgts. and Fittings ³⁴ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (3) Port cut 11/64 103 X | | | Evaporator ³⁸ Safety Valves ³⁹ No 2 & 8 over 10/63 No 6 11/64 | | | Steam Pipes Over 3in. Bore? up to (5) | | | Heaters (3) 961 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oil Fuel Tanks ⁴¹ 961 | | | Steering Machy. ⁴⁴ 961 | | | Windlass ⁴⁵ 11/64 | | | Fire Ext. Arrgts. ⁴⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1 by hand) Indep. Air Compressors ³⁷ (2 E.D.) S.P. - X S. - X 1 steam - A - 961 | | | | | | Comp. Coolers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Main (2) Air Receivers ⁴⁰ 961 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUXILIARY ENGINES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th></th><th>No. 1</th><th>No. 2</th><th>No. 3</th><th>No. 4</th><th>No. 5</th><th>No. 6</th><th>No. 7</th></tr><tr><td>2 - 7 cyl. @ 258 kW.</td><td>11/64</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1 - 6 cyl. @ 225 kW.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1 - 3 cyl. @ 320 kW.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>2 - 2 cyl. @ 301 kW.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1 - steam emergency @ 132 kW.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>3 - 6 cyl. @ 290 kW.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> | | | | | | | | | | | | | No. 1 | No. 2 | No. 3 | No. 4 | No. 5 | No. 6 | No. 7 | 2 - 7 cyl. @ 258 kW. | 11/64 | | | | | | | 1 - 6 cyl. @ 225 kW. | | | | | | | | 1 - 3 cyl. @ 320 kW. | | | | | | | | 2 - 2 cyl. @ 301 kW. | | | | | | | | 1 - steam emergency @ 132 kW. | | | | | | | | 3 - 6 cyl. @ 290 kW. | | | | | | | |
| | No. 1 | No. 2 | No. 3 | No. 4 | No. 5 | No. 6 | No. 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 7 cyl. @ 258 kW. | 11/64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 - 6 cyl. @ 225 kW. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 - 3 cyl. @ 320 kW. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 2 cyl. @ 301 kW. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 - steam emergency @ 132 kW. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 - 6 cyl. @ 290 kW. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUX. BW. air p/p. - AUX. F.W. " " - AUX. F.W. coils (3) - AUX. H/o coils - (5) Fan engines (F.D. & M.) - Bilge feed heaters (3) - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |