

Diesel Electric Vessel JOHN BISCOE.

Pumps, Oil Cooler, Governors, Heat Exchangers, Exhaust Pipes and Manifolds.
Main Propulsion Motors. (Two in Tandem). Rotor Shaft Forward and after
 Journals and Bearings examined and found satisfactory. Intermediate
Shaft Journal and Blower Block bearing examined and found satisfactory.
Port and Starboard Auxiliary Generator Engines. (6 Cylinder Diesel Engines
 each driving a 60 K.W. Electric Generator which supply excitation current
 for main Propulsion Units) Completely opened up, examined and found, or
 now placed in good order, including, cylinders, covers, valves, gaskets,
 liners, pistons, connecting rods, gudgeon pins and bushes, salt and
 Fresh water cooling pumps, Heat exchangers, Exhaust Systems, Silencers,
 ships side exhaust cocks, Fuel Pumps, Injectors, Lubricating Oil Pumps and
 filters, Crankshafts, crankpins and journals, all main bearings.
 Grip Trays were fitted at this time.

Port and Starboard Air Receivers examined internally, and found to be in
 good condition, all mountings opened up, examined and overhauled.

Port side Fuel and Daily Service Tank, and Starboard side Fuel Tank,
 cleaned, examined internally and found in good condition. Tank
 fittings examined and found satisfactory. Port and Starboard Lubricating
oil Tanks cleaned, examined internally and found in good condition.

Port Forward and Starboard Aft. Air Compressors completely opened up,
 examined and found or now placed in good order.

New Generator fitted on Platform Deck in way of Forward end of Engine room,
Starboard side. Ruston & Hornsby, 3 Cylinder, 4 Stroke Airless injection,
 Diesel Engine 4° 260678, developing 30 B.H.P. at 1000 V.P.M., direct coupled to
 drip proof enclosed ventilated Marine type Lancashire 15 K.W. Electric
 Generator 4° 148745. Securely fitted, examined under working conditions
 and found satisfactory. This unit cannot be run in parallel with the
 Port and Starboard Auxiliary Generators. An independent switchboard panel
 fitted with a reverse current safety cut out device, volt meter, ammeter and
 shunt regulator has now been fitted.

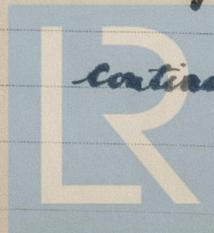
Electric and Hand Steering Gears examined under working conditions and
 found satisfactory.

Distilling Plant. Evaporator, Electric Motor driven Fresh Water, Salt Water
 and Brine Pumps completely opened up, examined and found or now placed
 in good order.

The following electric motor driven centrifugal pumps, were completely opened
 up, examined and found or now placed in good order. Starboard forward
Bilge and General Service Pump. Port and Starboard Fire and Bilge Pumps.

4° 142 Fresh Water Pumps. Electric Motor driven Fuel and Lubricating Oil
 Transfer (Gear) Pumps, completely opened up, examined and found or now
 placed in good order.

It was stated that the new Ruston & Hornsby Diesel Engine was built
 under Lloyd's survey. As the engine was not opened up, identification
 marks were not noted at this time.



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Diesel Electric Vessel. JOHN BISCOEElectrical equipment.

The main switchboard, Panel for new 15 K.W. Electric Generator, Steering Gear Panel, all junction and Fuse boxes, and electric wiring circuits throughout the vessel have been examined, found or now placed in good order and Megger tested as per rule.

The main Propulsion Electric Motors, All Electric Generators, Power Electric Motors, and ventilating fan electric motors have been examined, found or now placed in good order, and Megger tested as per rule.

On completion of repairs the main and auxiliary machinery was examined under working conditions and found satisfactory. All pumping arrangements were examined, and found or now placed in good order.

G. M. Macdonald.



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