



IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

PLANS. Are approved plans forwarded herewith for Staffing Yes Receivers Yes Separate Tanks Yes

Donkey Boilers General Pumping Arrangements Oil Fuel Burning Arrangements

SPARE GEAR

The foregoing is a correct description,

L. GARDNER & SONS LIMITED.

William Gardner Manufacturer.

Dates of fitting work in shops - 1927. June 30, July: 5, 12, 13, 14, 20, Aug. 11, 16, 23, Sept 6, 13, 20, 23, 21/5
During erection on board vessel - 1927 - November 29th, 1928 - 27th Jan. 17th Feb. 9th July
Total No. of visits 19

Dates of Examination of principal parts - Cylinders 13/4/27 Covers 1/7/27 Pistons 20/7/27 Rods Connecting rods 20/7/27
Crank shaft 5/9/27 Flywheel shaft Thrust shaft 20/7/27 Intermediate shafts 6/9/27 Tube shaft
Screw shaft 23/8/27 Propeller 6/9/27 Stern tube 23/9/27 Engine seatings Engines holding down bolts
Completion of fitting sea connections 17/2/28 Completion of pumping arrangements 17/2/28 Engines tried under working conditions 21/5/28
Crank shaft, Material Mild Steel Identification Mark 49 A Flywheel shaft, Material Identification Mark
Thrust shaft, Material Mild Steel Identification Mark 7946 B Intermediate shafts, Material Mild Steel Identification Marks A. 53.
Tube shaft, Material Identification Mark Screw shaft, Material Manganese Bronze Identification Mark 109 B

Is the flash point of the oil to be used over 150° F. Yes
Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with Yes
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo No If so, have the requirements of the Rules been complied with
Is this machinery duplicate of a previous case No If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. The above main engine of Gardner 3TS type together with one Gardner 4SE5A, Type 10V paraffin auxiliary engine No 27413 (direct coupled to a Weston Generator No 52798, volts 25/27, amps 11/12, RPM 770 & clutch coupled to a Gardner 1 3/8 x 4" Air Comp No 450) have been built under special survey and the materials tested in accordance with the Rules of this Society. The materials so far as can be seen are sound and the workmanship is good. A test bed trial of the above engines under full load proved satisfactory and the main engines manoeuvred well. The valves & fittings of the air reversing control system have been hydraulically tested in view of Spec. Letter 6th Sept. 1927. The above engines are in our opinion eligible for the notation of + L.M.C with date when fitted on board the vessel in accordance with the Rules of this Society. A general trial of these engines has been carried out on the 21/5/28 when fitted on board and gave satisfactory result

Amount charged to Messrs. Gardner & Sons £5 (29-0-0) = £7-4-0
The amount of Entry Fee ... Special ...
Committee's Minute ... Assigned ... Oil Engines

Capt. Rumbold's Yacht "LILY MAID IV".

3TS Engine:- Plans enclosed - General Arrgt. Crankshaft. Thrust Shaft. Flywheel. Arrgt. of Clutch. Intermediate Shafts. Connecting Rod. Air Bottles.

10V Engine:- General Arrgt. Cylinder. Crankshaft. Flywheel. Connecting Rod. Air Compressor. Sterngear. Fuel Tanks.