Rpt. 9.

YACHT

No. 17848.

# Report of Survey for Repairs, &c., of Engines and Boilers.

(Received at London Office NOV 13 1940)

Date of writing Report 23rd OCT: 1940 When handed in at Local Office 23rd OCT: 1940 Port of SOUTHAMPTON

No. in Reg. Book. Y. 1432 Survey held at GOSPORT Date, First Survey 16-5-39 Last Survey 6-11-1940 (No. of Visits SEVEN)

on the Machinery of the ~~Wood~~, ~~Iron or~~ Steel TWN SC YACHT "CRUSADER"

Tonnage { Gross 899.95 Net 384.25

Nominal Horse Power 467

No. of Main Boilers ✓

No. of Donkey Boilers ✓

Steam Pressure— in Main Boilers ✓ in Donkey Boilers ✓

Vessel built at SOUTHAMPTON By whom CAMPER & NICHOLSONS, LTD When (Year. Month.) 1929-Dec

Engines made at WINTERTHUR By whom SULZER BROS When 1929.

Boilers, when made (Main) ✓ (Donkey) ✓

Owners KINGSLEY MACOMBER Owners' Address ✓ (if not already recorded in Appendix to Register Book.)

Managers ✓ Port NEW LONDON, CONN. Voyage LAID UP

~~H~~ Surveyed Afloat ~~or in Dry Dock~~ (State name of Dock.) CAMPER & NICHOLSON'S BUOYS, GOSPORT.

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

| CHARACTER. ✠ for Special Survey Date of last Survey and of Periodical Surveys. | Years assigned for next survey | Machinery and Boiler Surveys (including date of N.B., if any). |
|---|---|---|
| ✠ 100.A.1. 9,38 | | ✠ L.M.C.10,37. |
| S.S. GOS. No 2-37. | | S 8,38 C.L. |
| A.S. GOS. 10,37. | | |
| OIL ENG. | | |

Last Report No. Port

Particulars of Examination and Repairs (if any) L.M.C.(M.)

(Periodical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.)

In damage cases where the Survevor has not made a special damage report he is required to state whether he offered his services for this purpose, and why they were declined ✓

Was a damage report made by anyone else? If so, by whom? ✓

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? ✓

" " Donkey " " " ✓

If this was not done, state for what reasons? ✓

And what parts of the Boilers could not be thus thoroughly examined? ✓

Also what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler? ✓

State latest date of internal examination of each boiler ✓ Present condition of funnel(s) GOOD.

Did the Surveyor examine the Safety Valves of the Main Boiler? ✓ To what pressure were they afterwards adjusted under steam? ✓

Did the Surveyor examine the Safety Valves of Donkey Boiler? ✓ To what pressure were they afterwards adjusted under steam? ✓

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? ✓, and of the Donkey Boilers? ✓

Did the Surveyor examine the drain plugs of the Main Boilers? ✓, and of the Donkey Boilers? ✓

Did the Surveyor examine all the mountings of the Main Boilers? ✓, and of the Donkey Boilers? ✓

Has screw shaft now been drawn and examined? No Is it fitted with continuous liner? ✓ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

Has shaft now been changed? ✓ If so, state reasons ✓

Has the shaft now fitted been previously used? ✓ Has it a continuous liner? ✓ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

State date of examination of Screw Shaft ✓ State the distance between lignum vitæ or bearing metal of stern bush and top of after bearing of screw shaft Vessel afloat.

Engine parts, when referred to by numbers, should be counted from forward.

Is electric light and/or power fitted? ✓

If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? ✓

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms.? ✓

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done Complete:-

Now done for L.M.C.(M). The following Machinery Parts examined & found or placed in good condition. Port & Stbd Main Engines:- All Cylinders, Pistons, Covers, Valves, Nos 2, 3 & 4 Connecting Rods with their top & bottom end Brasses, Crossheads & Crank Pins, Nos 1, 2, 3, 4 & 5 Main Bearings & Journals, Thrust & Intermediate Shafts

Port & Stbd Aux Engines examined in their entirety.

All Main Air Receivers cleaned examined internally & found satisfactory. The Aux Starting Air Receivers tested by hydraulic pressure to 2 W.P. & found tight.

The Pumps, Air Compressors, Reversing Gear & Fuel Tanks generally examined & found satisfactory.

With reference to Southampton Report No 17188 of 30-9-38 the No 3 Column of the Stbd Main Engine has at this time been especially examined & found to remain efficient, and the limit may therefore, in my opinion, be removed from this item.

General Observations, Opinion, and Recommendation:— The Machinery of this Vessel, as now seen, is in a good and efficient condition & eligible in my opinion to remain as classed with fresh record of Survey ✠ L.M.C.(M) 11,40.

(State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, B.S. 9,11, B.&M.S. 9,11, ✠ L.M.C. 9,11, or ✠LMC 140 lb., F.D., &c.) CS 3,34

Survey Fee (per Section 29) L.M.C.(M) £8 : 8 : 0

Special Damage or Repair Fee (if any) (per Section 29.) £ :

Travelling expenses (if chargeable) £ : 18 : 6

Fees applied for 9-11-1940 Received by me, 19

Committee's Minute FRI 22 NOV 1940

Assigned + Lmc (M) 11.40

W Thomson Cmt

Engineer Surveyor to Lloyd's Register of Shipping.

Insert Character of Ship and Machinery precisely as in the Register Book.

Is a Certificate required? If so, to be sent to

The Surveyor is requested not to write on or below the space for Committee's minutes.

If so, is the report sent now, or when will it be sent? NOW.

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