Rpt. 9.

No. 127983.

REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

(Received at London Office 14 DEC 1948)

Date of writing Report 4th Dec 1948 When handed in at Local Office 4th Dec 1948 Port of LIVERPOOL.

No. in Reg. Book. 51486 Survey held at Liverpool. Date. First Survey 25/8/48 Last Survey 26/11/1948. (No. of Visits 19)

on the Machinery of the ~~Wood, Iron or~~ Steel "ARABIAN PRINCE".

Tonnage { Gross 1960 / Net 1035 } Vessel built at Port Glasgow. By whom Wm. Hamilton & Co. Ld. When (Year) 1936 (Month) 10

Nominal Horse Power 319 Engines made at Greenock. By whom J.G. Kincaid & Co. Ld. When 1936

Boilers, when made (Main) 1936 (Donkey) -

No. of Main Boilers 2S(Spt) Owners Prince Line, Ld., Owners' Address (if not already recorded in Appendix to Register Book.)

No. of Donkey Boilers - Managers Furness, Withy & Co. Ld. Port London. Voyage

Steam Pressure in Main Boilers 220 If Surveyed Afloat ~~or in Dry Dock~~ (State name of Dock.) Wallington & Tooth Docks & in Herculaneum Dry Dock.

in Donkey Boilers -

Last Report No. Port

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 now expired	Machinery and Boiler Surveys (including date of N.B., if any)
✠100A1 with Fbd.		✠LMC 9,40.
11,47.		BS 5,48.
Examined 11,47.		TS CL 11,47.
SS.N.Yk.No.1-40.		

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

Particulars of Examination and Repairs (if any) Chg ✠ L.M.C. Oil Conversion

(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 Surveyor 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 No damage reported

Was a damage report made by anyone else? If so, by whom? No

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

" " Donkey " " " None SEE SPL. NOTE S.R.L. (MACHY)

If not, state for what reasons - What parts of the Boilers could not be thus thoroughly examined? -

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 Port 3/11/48 Starbd 3/11/48. Present condition of funnel (✠) Efficient

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 220 lbs □"

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

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

Has the screw shaft now been drawn and examined? No Has it a continuous liner? - Is an approved oil retaining appliance fitted at the after end? -

Has shaft now been changed? No If so, state reasons - Has the shaft now fitted been previously used? - Has it a continuous liner? -

Is an approved oil retaining appliance fitted at the after end? - State date of examination of Screw Shaft - State the wear down in the stern bush 3/16" Is electric light and/or power fitted? Yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes

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

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

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

Now Done.

Docking

Vessel placed in dry dock; examined propeller, sea cocks, valves, and outside fastenings of sea connections. All found or placed in good order.

Machinery Survey.

Examined main engine cylinders, pistons, piston rods, valves and casings, crossheads, guides and shoes, crank, thrust and intermediate shafting, attached & independent pumps, condenser (tested), windlass, steering engine, dynamo engine, also the cocks, valves, pipes and strainers of the pumping arrangements. All main and auxiliary steam pipes stripped at flanges and tested to Rule Requirements.

Boiler Survey.

Port and starboard main boilers examined internally and externally together with superheaters, safety valves, mountings, manholes, doors and fastenings. Afterwards

General Observations, Opinion, and Recommendation:— The machinery of this vessel where now seen is eligible in my opinion to remain as now classed with ✠ L.M.C. 11.48 and notation "Fitted for Oil Fuel 11.48 F.P. above 150°F"

(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, BS 9,11, B&MS 9,11 ✠LMC 9,11 or ✠LMC 140 lb., FD, &c.) CS 3,34,

Survey Fee (per Section 29) L.M.C. £ 24 : 0 : 0 Fees applied for - 8 DEC 1948 19

Oil Conv: 10 10 0

Special Damage or Repair Fee (if any) (per Section 29.) LATE O SUN ATT: £ 8 8 0 Received by me, 19

Travelling expenses (if chargeable) £ : 8 : 6.

Chief Survey 8 0 0

LICENCE CASE LIVERPOOL 13 DEC 1948

Committee's Minute

Assigned + LMC 11.48.

CERTIFICATE WRITTEN (dated 23.12.48)

G. M. H. Williams

Engineer Surveyor to Lloyd's Register of Shipping.

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

002442-002448-0099 1/2

Port of LIVERPOOL Continuation of Report No. 127983 dated 26/11/48 on the

ARABIAN PRINCE

examined under steam and their safety valves adjusted.

Boiler Repairs.

A number of defective tubes renewed in both boilers and a considerable number of tubes expanded. Several stay tubes re. welded to tube-plate.

A number of defective C.C. wrapper stays renewed.

Port boiler soot blower tube renewed.

Minor repairs to mountings.

Port and starboard boilers hydraulically tested upon completion of repairs and found in good order.

Oil fuel Conversion.

All boilers fitted to burn oil fuel, unit pumps and all relevant gear supplied by makers (Wallsend) now fitted as per London approved plan and Rule Requirements. Steam smothering system fitted

Oil burning, control gear, and fire fighting equipment tried under working conditions and found satisfactory.

Electrical Equipment

Electrical Equipment examined and tested under working conditions.

Generators, switchboard, fittings, fuses and cables examined. Insulation test carried out. All found or placed in efficient condition

Repairs

Main switchboard cleaned & overhauled. Generators generally overhauled All accommodation wiring and fittings overhauled, several circuits revised and new fuse boards fitted. Navigation circuits revised, crews quarters gft revised. Engine and boiler room lighting circuits overhauled and several additional points fitted. Cargo circuits overhauled.

Tested on completion and found satisfactory.

Scheme checked.

J. H. H. Williams.