Rpt. 9. No. 10362

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

(Received at London Office 3 NOV 1944)

Date of writing Report 23rd April 1943 When handed in at Local Office 23.4 1943 Port of MARSEILLES

No. in Reg. Book. 31171 Survey held at MARSEILLES Date, First Survey 29-5-42 Last Survey 12-4-1943 (No. of Visits 20)

on the Machinery of the ~~Wood, Iron or~~ Steel S/S " P.L.M. 12 "

Tonnage { Gross 3754 / Net 1931

Nominal Horse Power 430

No. of Main Boilers 2

No. of ~~Donkey~~ AUX Boilers 1

Steam Pressure— in Main Boilers 180 lbs

in ~~Donkey~~ AUX Boilers 180 lbs

Vessel built at Middlesbro' By whom Smith's Dock Co. Ltd. When 1921-1 (Year. Month.)

Engines made at do. By whom do. When 1921

Boilers, when made (Main) 1921 (~~Donkey~~ AUX.) 1921

Owners Soc. Nationale d'Affretement Owners' Address — (if not already recorded in Appendix to Register Book.)

Managers — Port Rouen Voyage —

~~H~~ Surveyed Afloat ~~or~~ and in Dry Dock Mol. Berth and City dry dock (State name of Dock.)

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 allowed now expired.	Machinery and Boiler Surveys (including date of N.B., if any).
+ 100 A1		+ LMC 11,39
~~12,40~~ 10.41		~~BS 3,41~~
S.S. Mol. No 2-9.33		~~T.C.L. 4,40.~~
S.S. Ill. No 1-37		

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

Particulars of Examination and Repairs (if any)

LMC. MS & Rpt. Part BS & Rpt.

(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 —

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? Yes

" " ~~Donkey~~ aux " " " Yes

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 Main & aux. boilers. 16-7-42 Present condition of funnel? Good

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? Not adjusted

Did the Surveyor examine the Safety Valves of ~~Donkey~~ aux Boiler? Yes To what pressure were they afterwards adjusted under steam? Not adjusted

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

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~~ aux Boilers? Yes

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 H m/m

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

Is electric light and/or power fitted? Electric light

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.

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done To complete the BS the safety valves of all boilers remain to be adjusted under steam.

NOW DONE:— Vessel placed in drydock; afterend of sternbush and all sea cocks and valves with their fastenings examined. All cylinders, pistons, valves and castings, crank-, thrust- and intermediate shafts with their bearings; all crankpins and brasses; all attached and independent pumps and pumping arrangements examined. Main condenser examined and tested. Steam pipes tested as per Rule requirements. Electrical equipment examined, tried under working conditions (See Cont.)

General Observations, Opinion, and Recommendation:—

(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.

The machinery of this vessel is in good condition and is eligible, in my opinion, to remain as classed with a fresh record of +LMC. MS. 4,43 and to have a fresh record of BS 7,42 on completion of the survey.

Survey Fee (per Section 29) MS, Rt BS & Rpt £ Fee £2000

Special Damage or Repair Fee (if any) £

Travelling expenses (if chargeable) £1. 2/5/1

Fees applied for 23.4. 1943 Fee 12.25/-

Received by me, 30.4. 1943.

C. Falkenner

Engineer Surveyor to Lloyd's Register of Shipping.

TUES. 21 NOV 1944

Committee's Minute

Assigned no action

Is a Certificate required? If so, to be sent to Not for Fee

008296-008304-0153 1/2

Port of MARSEILLES Continuation of Report No. 10362 dated 23.4.43 on the

S/S "P.L.M. 12"

and insulation resistance measured.
Main and aux. boilers examined throughout together with all mountings, manholes, etc.. Mountings overhauled.

REPAIRS:-

Main engine: HP and LP. crankpin brasses remetalled.
Attached bilge and feed pumps: all plungers skimmed up and neck and gland bushes renewed.
Ballast pump: both water end liners bored out and pistons renewed. Valve gear overhauled.
Air pump: liner bored out, piston renewed and piston rod skimmed up and neck and gland bushes renewed.
Centrifugal circ. water pump: C.I. pump body renewed (wasted).
Main condenser: M.T. partition in water end found somewhat wasted. Doubling plate now fitted in way of wasted part.
Pumping arrangements: a great many lengths of bilge and ballast pipes renewed.
Boilers:-
Port boiler: port C.C.: stbd. wrapper plate partly renewed (wasted). The three furnaces built up with E.W. in way of line of fire bars. Both bottom manhole door flanges built up with E.W. and doors refitted. Fifteen backplate stays and four side stays renewed.
Port C.C.: two dog plates removed; C.C. plating in way built up with E.W. where locally corroded and dog plates refitted.
Stokehold collision chock renewed.
Main stop valve chest (C.I.) renewed (cracked). Marked
LLOYD'S TEST C.I.V. 20 KG. 3.43.
Stbd. boiler: twenty one backplate stays and eight side stays renewed. Grooving at bottle neck of centre furnace and at forwd. end plate flange in way of centre furnace cut out and built up with E.W..
Furnaces built up with E.W. in way of line of fire bars as necessary. Both wing furnaces found somewhat distorted now jacked round.
Stokehold collision chock renewed.
Aux. boiler: All C.C. dogs removed. C.C. crown plates built up with E.W. in way of local corrosion. Several dog stays renewed and dog plates refitted.
Forwd. end plate seam built up with E.W. where locally wasted and several rivets in way renewed.
Eleven backplate stays renewed.

All lagging of the three boilers renewed.
Aux. boiler tested to 180 lbs/□" hyds. pressure found tight.

CW.

0153 2/2

No 10362.