

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

(Received at London Office)

NEWCASTLE 17 JUL 1952 NE.

Report held at South Shields Date: 8 JUL 1952 Port of NEWCASTLE
First Survey 27 Feb. Last Survey 18 June 1952
(No. of Visits 38)

Machinery of the ~~Wood~~ Iron or Steel T.S.S. 'SAN CASTO'

2446 Vessel built at Sunderland By whom J. L. Thompson & Sons, Ltd. Year. Month. When 1928 2
1246 Engines made at Sunderland By whom Mac Coll & Pollock, Ltd. When 1928
217 Boilers, when made (Main) 1928 (Donkey)
2 Owners Eagle Oil & Shipping Co. Ltd. Owners' Address
(if not already recorded in Appendix to Register Book.)
Managers Port London Voyage

If Surveyed Afloat or in Dry Dock Both
(State name of Dock) The Middle Docks & Eng. Co. Ltd.

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)
<u>1100A1 8.51</u>		<u>FLMC</u>
<u>ss Co No. 2-35</u>		<u>MS 1.50</u>
<u>Modified ss Row 1.50 (2 yrs)</u>		<u>BS 2.51</u>
		<u>CL 8.51</u>

Examination and Repairs (if any) LMC & TS.
when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the nature and extent of Examinations and subsequent Repairs. Repairs on the cause of which must be stated) should be separated from Repairs due to other causes; and besides the body of the report, should be briefly summarised at the end of the report. State also the dates and reasons respecting this case.

Carrying petroleum in bulk for service between Le Havre & Rouen fitted for oil fuel 2,28 F.P. above 150°F

When the Surveyor has not made a special damage report he is required to state whether he offered his services for the purpose, and why they were declined.
When made by anyone else? If so, by whom?
When personally go inside each Main Boiler separately and make a through examination at this time? Yes

When referred to by numbers, should be counted from forward. Auxiliary machinery should be referred to by position in Machinery Space.

When complete, state what arrangements have been made for its completion and what remains to be done. Complete.

for LMC & TS :- Vessel placed in drydock, examined both propellers, screwshafts, bushes, sea connections opened up and outside fastenings, and found or now placed in efficient condition.
Examined opened up both main engine cylinders, pistons, rods, valves and chests, crankshafts, thrust and intermediate shafts, condenser (tested) attached pumps with pipes and connections, all auxiliary pumps, pumping arrangements, steering engine, class engine, fan and dynamo engines, and found or now placed in efficient condition. Note:- Steam pipes tested 2.51.
Also examined internally and externally, together with their manholes, doors, fittings and fastenings, and found or now placed in safe working condition.
Also tested hydraulically on completion of repairs, examined under steam and their safety valves adjusted to 180 lbs. Oil fuel and steam smothering installations tested under working conditions, examined fuel tank valves, deck control gear and oil discharge pipes between tanks.
Observations, Opinion, and Recommendation:- the pumps and furnaces and all found in efficient condition, and no early 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 no 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, FLMC 9.11 or 140 lb., ED, &c.)

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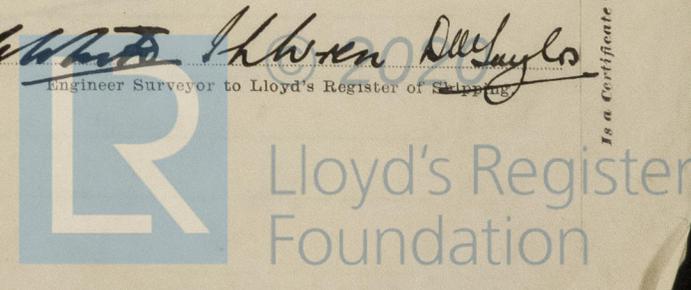
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Section 23) LMC 268 00
BS 100 00
TS 400 00
Electrical survey 100 00
Spec Repair Fee £50 00
+ LMC 6.52
S.N. 5.52

Fees applied for 16 JUL 1952
Received by me, Chas. White
19 FRI. 15 AUG 1952
CERTIFICATE WRITTEN.



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

Continued

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

T.S.S. 'SAN CASTO'

accessible, visible and well lighted for their entire length and the joints found tight.

W & T repairs:-

Both screwshafts renewed on account of circ. fractures at big end of cone, and stern bushes renewed. Ident. marks on new shafts:-

Port LLOYDS 2055 18/4/52 CB

Starbd LLOYDS 2054 18/4/52 CB

A new screwshaft has been placed on board as spare. Ident. marks LR 2700 A9 12/5/52

Main discharge valve chest renewed. Stamped LR test 75 lbs. 2/4/52 F.H.W.

Ind. feed pumps - water end chambers skimmed out and buckets renewed.

Ind. circulating pump impeller shaft bearings reinstalled.

Starbd 5 KW dynamo engine piston valve and top end pin renewed.

Port M.E:- Crankshaft reconditioned (all journals and pins renewed) Cert. attached.

Crankshaft main bearings reinstalled.

Thrust shaft shoes reinstalled.

HP piston valve renewed also LP piston rings.

Attached pump link brasses renewed.

Starbd. M.E:- Crankshaft reconditioned (all journals and pins renewed) Cert. attached.

Crankshaft main bearings reinstalled.

LP top end pin and piston rings renewed, also junk ring.

Attached pump link brasses renewed.

Port and Starbd. main engine shafting aligned.

Windlass - cable lifters rebushed. Cable lifter pinion wheels and 2nd motion shaft pinion renewed.

Steering engine piston rods skimmed, neck end gland bushes renewed.

Boiler repairs:-

Port:- All furnaces renewed (Cert. attached.)

8 partition and 6 C.C. back stays renewed.

Starbd. back tube plate cropped and partly renewed in way of furnace back seam and wrapper plate seam.

Main and aux. check valves, aux. stop valve and scum valve rejointed

to boiler shell. Main stop valve renewed. Stamped LR test 360 lbs. 1/5/52 F.H.W.

Starbd:- All furnaces renewed (Cert. attached.)

8 partition and 3 C.C. back stays renewed.

Main and aux. check valves, main and aux. stop valves and scum valve rejointed to boiler shell.

On completion of the above repairs, main and auxiliary machinery examined under working conditions and found satisfactory.

Chas. W. White



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Foundation

S.S. "SAN CASTO"

SURVEY OF ELECTRICAL INSTALLATION

FIRST SURVEY 18/4/52.

LAST SURVEY 12/6/52.

No. OF VISITS 4.

No. in Reg. Bk 25481

NAME OF VESSEL SS. "San. CASTO"

Capacity of Installation K.W 2-5Kws & 1-25Kws Generators.

Nature of Survey Special Survey and Repairs

No. of Visits 4

Where Surveyed High Shields

A special survey of the electrical equipment was carried out, generators, cables, fittings and main switchboard examined and the following modifications and repairs were carried out.

The electrical installation was rewired and all equipment installed in accordance with rule requirements as per attached drawing. The 5 Kws generators were cleaned and overhauled and a 25Kws steam driven Campbell & Isherwood - 110v - 227 amps - 650 R.P.M. - Compound wound - continuously rated - drip proof generator Serial No. 15370 was added to the installation. A new main switchboard and midship switchboard was fixed and "AS FITTED" drawings are attached hereto. A Decca Navigator was also fixed this time.

On completion of rewire and overhaul, the electrical installation was examined under working conditions, generators tested for governing and compounding and all circuits tested for insulation resistance. All were found satisfactory.

25Kws Generator certificate attached hereto.

W. Morris J. Wright

Elec. SMC fee = £10

Special Repair fee = £5.



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