

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

(Received at London Office

11/8 AUG 1948)

Date of writing Report.....19..... When handed in at Local Office.....19..... Port of LIVERPOOL
 No. in Survey held at Liverpool. Date. First Survey 22/6/48 Last Survey 14/7/1948
 Reg. Book. 70065 on the Machinery of the Wood, Iron or Steel "OAKMORE". (No. of Visits.....8.....)

Tonnage { Gross 4700 Vessel built at Emden. By whom Nordseewerke Emden G.m.b.H. When 1939
 Net 2662 Engines made at Kiel. By whom Fr. Krupp Germania When 1939
 Nominal Horse Power of Main Boilers (Donkey)
 Owners Johnston Warren Lines, Ltd. Owners' Address (If not already recorded in Appendix to Register Book.)
 Managers Furness, Withy & Co. Ltd. Port Liverpool Voyage
 If Surveyed Afloat or in Dry Dock Both.
 (State name of Dock.) Langton & Hornby.

Last Report No. Port
 Particulars of Examination and Repairs (if any) Dkg., T.S. & C.S.

Periodical Surveys, when held, must be reported in detail and serially 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? -

the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? None

" " Donkey " " " None

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 -

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

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

Has the 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 2.7.48. State the wear down in the stern bush 1/8

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, see attached F.E. report.

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 CONTINUOUS SURVEY.

RE NOW: Vessel placed in dry dock and the following examined:-

Propeller, screwshaft, stern tube, sea connections and their fastenings. M.B. Nos. 1, 3, 4, 5, 6 & 7

Propshaft pins and bearings. Nos. 2, 3 & 9 crankshaft journals and main bearings. No. 6 crankpin

and bottom end bearing. Minor repairs carried out.

Additional Polar Atlas 2 SCSA 4 cylinder Generator Engine, Type A54E No. 511400 230 B.H.P. at

10 r.p.m. with 150 k.w. Crompton Parkinson generator installed and fitted in Starboard side of

engine room. Holding down bolts, chocks and suitable connections for fuel air, and cooling pipes

tested satisfactorily. Engine examined after trial run and found in order.

ELECTRICAL EQUIPMENT. Installation examined and tested under working conditions. Generators, motors,

control gear, switch board, fittings, cables, etc. examined. Insulation test carried out.

REPAIRS etc. Minor repairs to installation effected. Low insulation faults removed. An additional

150 k.w. generator has been installed complete with main cables to switchboard, and circuit breaker.

This circuit breaker is not suitable for the full load of the generator and the output is limited

P.T.O.

General Observations, Opinion, and Recommendation:- The machinery of this vessel, where now seen is

(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 or LMC 9.11 or LMC 140 lb., FD, &c.)

It is in my opinion to remain as classed with fresh record of LMC CS with date upon completion

survey, subject to a suitable circuit breaker for the 150 k.w. generator (Fwd.Std) being fitted

the switchboard at the first opportunity,

Survey Fee (per Section 29) T.S. 3 : 0 : 0 Fees applied for 11 AUG 1948

Additional Damage or Repair Fee (if any) £ 10 : 10 : 0

(per Section 29.)

Printing expenses (if chargeable) £ :

Committee's Minute LIVERPOOL 17 AUG 1948

Assigned As per Subject.

T.S. 4.48.

Received by me, 19

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

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

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

CHARACTER. X 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)
Examined IR 2, 47.		TS CL 12, 45.
8, 47.		Oil Engine.
(Classification Contemplated).		See minute on Liv 127291 ?

OIL ENGINES
CONTINUOUS SURVEY.

Present condition of funnel(s) Good.

To what pressure were they afterwards adjusted under steam? -

To what pressure were they afterwards adjusted under steam? -

and of the Donkey Boilers? -

and of the Donkey Boilers? -

and of the Donkey Boilers? -

Is an approved oil retaining appliance fitted at the after end? NO

Has the shaft now fitted been previously used? - Has it a continuous liner? -

State date of examination of Screw Shaft 2.7.48. State the wear down in the

Is electric light and/or power fitted? Yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes

Yes, see attached F.E. report.

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"OAKMORE" (Contd).

to 100 k.w. until correct breaker is fitted.

The whole of the equipment tested and found satisfactory.

Please see first Entry Report 13 attached.

The following dimensions were obtained for adding to the first entry report:-

Diameter of Screwshaft 15.895".
Thickness of liner 25/32".
Length of Bearing next to and supporting propeller 2'6.11/16".
Diameter of propeller 15'5".



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