

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

(Received at London Office

25 AUG 1947

Date of writing Report 18th August 1947 When handed in at Local Office 25 AUG 1947 Port of LONDON  
 No. in Survey held at LONDON Date. First Survey 8-5-47 Last Survey 16-8-1947  
 Book. (No. of Visits TEN)

2235 on the Machinery of the Wood, Iron or Steel S.S. "LIKA"

Gross 4307 Vessel built at SOUTH SHIELDS By whom J. READHEAD & SONS LTD. When 1913 5  
 Net 2725 Engines made at SOUTH SHIELDS By whom J. READHEAD & SONS LTD. When 1913  
 Nominal 385 MW Boilers, when made (Main) 1913 (Donkey) 1912 refitted 1934  
 Power of Main Boilers 2 SB Owners BENARSKO AKSIONERSKOE DROVNO Owners' Address State Enterprise Sugar Refining Plant, Leningrad  
 of Donkey Boilers 160 lbs Managers ✓ (if not already recorded in Appendix to Register Book.)  
 Main Boilers 160 lbs Port ✓ Voyage ✓  
 Donkey Boilers ✓ If Surveyed Afloat or in Dry Dock AFLOAT  
 (State name of Dock.) SURREY COMMERCIAL DOCKS

Report No. Port

Particulars of Examination and Repairs (if any) BS. and G.E.  
 Medical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the cause of Repairs, if any, 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.

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 ✓

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? YES

Donkey " " " NO. NOT IN USE

State for what reasons ✓ What parts of the Boilers could not be thus thoroughly examined?

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? ✓

Latest date of internal examination of each boiler PORT 8.5.47 STARBOARD 13.5.47 Present condition of funnel(s) EFFICIENT

The Surveyor examine the Safety Valves of the Main Boilers? YES To what pressure were they afterwards adjusted under steam? 160 lbs/p.s.i.

The Surveyor examine the Safety Valves of the Donkey Boilers? NO To what pressure were they afterwards adjusted under steam? ✓

The Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? YES and of the Donkey Boilers? NO

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

The Surveyor examine all the mountings of the Main Boilers? YES and of the Donkey Boilers? NO

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? ✓

Shaft now been changed? ✓ If so, state reasons ✓ Has the shaft now fitted been previously used? ✓ Has it a continuous liner? ✓

Approved oil retaining appliance fitted at the after end? ✓ State date of examination of Screw Shaft ✓ State the wear down in the bush ✓

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

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

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

Work done for BS:- Port and Starboard main boilers examined internally and externally, see Leith Surveyor's Report to 21823) together with mountings doors and fastenings and found or placed in good order. Boilers subsequently examined under steam and their safety valves adjusted 160 lbs/p.s.i. in accordance with previous recommendation.

Repairs carried out:- Stiffening rings fitted to alternate corrugations on all three furnaces Port Boiler. Compensating rings fitted to landing edges of lower manhole doors of Port & Starboard boilers.

Owner's request examined intermediate stop valve, reversing engine and dynamo engine entire, condensers (tested) and main circulating pump. Minor repair carried out and foregoing placed in good order. Main engines and auxiliaries examined under working conditions. H.P. cylinders considered efficient meantime for further extension and renewal recommended before the end of November 1947. Electrical equipment examined and found satisfactory.

General Observations, Opinion, and Recommendation:- The machinery of this vessel as now examined is in

(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.)

Good order and eligible in our opinion to remain as classed with fresh record of BS 5.147, subject furnaces of Port Boiler and wing furnaces of Starboard Boiler being renewed before end of November 47, and "Examined 6.47" (valid for 3 months) as recommended (see Leith Int. Certificate 24.4.47) P.L. Subject to H.P. cylinder being renewed by end of Nov. 1947 and "D.B. not to be used".

Fee (per Section 29) BS £ 7 : 0 : 0 Fees applied for 26 AUG 1947  
 Damage or Repair Fee (if any) £ : : :  
 (per Section 29.)  
 Ling expenses (if chargeable) £ : : :  
 Received by me, Wm Robinson A.C. Wedgwood J.W. Pijon  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute 5 SEP 1947  
 Deferred for Comp BS

010219-010228-0241