

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

(Received at London Office 22 FEB 1936)

Writing Report Feb 3 to 36 When handed in at Local Office Feb 3 to 36 Port of Vancouver B.C.

Survey held at Vancouver B.C. Date, First Survey Jan 24 Last Survey Feb 2 1936  
(No. of Visits 2)

on the Machinery of the Wood Iron or Steel M.V. SILVERAY

Gross 4536 Vessel built at Sunderland By whom J.L. Thompson Sons Ltd When 1925 7

Net 2626 Engines made at do By whom H. Douglas Sons Ltd When 1925

er } 480 Boilers, when made (Main) do (Donkey) 1925

Boilers 1 Owners Silver Lini Ltd Owners' Address Port London Voyage India

Key Boilers 1 Managers Stanley & John Thompson Ltd (if not already recorded in Appendix to Register Book.)

Boilers 1 If Surveyed Afloat or in Dry Dock d.d. Burnard Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

y Boilers 120 Report No. Port

Particulars of Examination and Repairs (if any) Damage & Part CS

Surveys, 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 damage (the cause of which must be stated) should be separated from repairs due to other causes; and being detailed in the body of the report, should be briefly summarised at the end of the report. State also the initials of any letters respecting this case.

In cases where the Surveyor has not made a special damage report he is required to state whether he has his services for this purpose, and why they were declined report attached

Damage report made by anyone else? If so, by whom? Sahaghi Assoc. London.

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

" Donkey " " " Yes.

not done, state for what reasons? Yes.

Parts of the Boilers could not be thus thoroughly examined? Yes.

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? Yes.

Date of internal examination of each boiler Jan 26. 1936

Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? Good

Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? Good

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

Surveyor examine the drain plugs of the Main Boilers? Yes , and of the Donkey Boiler? Yes

Surveyor examine all the mountings of the Main Boilers? Yes , and of the Donkey Boiler? Yes

Shaft now been drawn and examined? Yes Is it fitted with continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? No

Shaft now been changed? No If so, state reasons Yes

Shaft now fitted been previously used? Yes Has it a continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Yes

Date of examination of Screw Shaft Jan 27 State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft Re-wooded.

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

Vessel placed on dry dock - All sea connections opened up & examined - Screw shaft drawn and examined and stem bush re-wooded.

Damage due to heavy weather New York to Cape Town Aug & Sep 1935. also Cebu to San Pedro Nov & Dec 1935 and 1936.

No 2 main bearing re-metalled.

No 1 (port intake) Generator - Crank Shaft placed in lathe. turned up. Fly wheel secured main bearings re-metalled.

Attached Jacket Water Cooling pump - New rod & liner fitted.

Several Copper pipes repaired.

Condenser opened up - tube plates repainted & Condenser tested.

In Continuous Survey see follow sheet.

al Observations, Opinion, and Recommendation:— The machinery of this vessel is

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. 0,11, B.&M.S. 0,11, or L.M.C. 0,11, 100 lb., F.D., &c.)

legible in my opinion to remain as classed with record of + L.M.C. (CS) 2. 36. when

Survey has been completed, and notation C.L. 1. 36. D.B.S. 1. 36.

(per Section 29) Jan 25. 1936 £ 75 00 Fees applied for Feb 3 1936

Damage or Repair Fee (if any) £ 65 00

(per Section 29.) £ 65 00

Expenses (if chargeable) £ 6 00

Committee's Minute TUE. 10 MAR 1936

ed SB 2.36

TUE. 26 MAY 1936

FRI. 5 JUN 1936

FRI. 10 JUL 1936

FRI. 31 JUL 1936

FRI. 16 OCT 1936

TUE. 1 DEC 1936

FRI. JAN 15 1937

FRI 5 MAR 1937

Lloyd's Register

Foundation

Made in England

W 217-0031(112)

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

Engineer Surveyor to Lloyd's Register of Shipping.

ASST & R. Hooper (acting)

Engineer Surveyor to Lloyd's Register of Shipping.



M.V. "SILVERAY"

Part Continuous Survey.

No 2 main bearing Examined. Lower half remetalled  
 Thrust Shaft & bearing Examined.

Attached Jacks valve Pump Examined - new liner & rod fitted.

(Port inboard) No 1 Generator Crank Shaft placed in lathe - and journals trued  
 up. Additional Key fitted to flywheel  
 all main bearings remetalled.

Machinery Examined under working conditions.

(Aft) No 3 Generator Opened up & Examined throughout including  
 crank shaft - main bearings - crank pins & trunks - headplate.  
 all cylinders - liners - pistons & rods. valves & valve gear  
 Compressor throughout and dynamo.

No 1 Cylinder liner removed - casing bore to provide better landing  
 for liner. and new liner fitted. Generator Examined while working  
 Examined separate bilge pump throughout including motor  
 do do ballast do do do do  
 do Separate Auxiliary Compressor (No 1) including  
 shaft & rods - Compressor cylinders & pistons & valves. also motor  
 Examined evaporator with mountings & safety valve.

Donkey boiler opened up and Examined on fire and water sides, also  
 all mountings and found in good working condition

Safety valves adjusted under steam to 120 lbs.

Examined appliances for burning fuel oil under working conditions.

A new Exhaust gas valve heater now fitted - using mountings from  
 old one. - Certificate for heater N° 8107 LLOYDS TEST. SHELL  
 20 lbs per sq inch M.C. 28. 11. 35.

This heater now properly secured in place - with the necessary  
 alterations to Exhaust & other piping. also lagging for same.

Heater Safety Valve adjusted under steam to 10 lbs per sq inch.



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