

17 SEP 1942

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

Survey Report No. *10* When handed in at Local Office *25th Sept 42* Port of *Lobbenburg*
Survey held at *Lobbenburg* Date of First Survey *9 July* Last Survey *7 Aug. 1942*
(No. of Vessels *5*)

52 on the Machinery of the *Trade* *VIROS*

Gross *110* Vessel built at *North Shields* By whom *Smith Dock Co. Ltd.* Year *1904-11*
Net *76* Engine made *Sunderland* By whom *MacColl & Co. Ltd.* Year *1904-11*
and *70* Boilers when made (Main) *1917* (Donkey)
Lower *1* Boilers when made (Main) *1917* (Donkey)
Main Boilers *1* Boilers when made (Main) *1917* (Donkey)
Donkey Boilers *1* Boilers when made (Main) *1917* (Donkey)
Pressure *80 lb* Mountings *A. Jahl*
in Boilers *80 lb* (If Surveyed Afloat or in Dry Dock)
Donkey Boilers *80 lb* (State name of Dock) *Lobbenburg*

Particulars of Classification which must be inserted
CHARACTER *...* of Special Survey *...* of last Survey *...*
Machinery and Boilers *...* of *...*

Officers of Examination and Repairs (if any) *Reclassification*
If cases where the Surveyor has not made a special damage report he is required to state whether
and his services for this purpose, and why they were declined

damage report made by anyone else? If so, by whom?
Surveyor personally go inside each Main Boiler separately and make a thorough examination
is time? *yes*

Surveyor personally go inside each Donkey Boiler separately and make a thorough examination
is time? *yes*

was not done; state for what reasons?
at parts of the Boilers could not be thus thoroughly examined?

at 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?
last date of internal examination of each boiler *20.7.42*

Surveyor examine the Safety Valves of the Main Boiler? To what pressure were they afterwards adjusted under steam? *80*
Surveyor examine the Safety Valves of Donkey Boiler? To what pressure were they afterwards adjusted under steam?

Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? *yes* and of the Donkey Boilers?
Surveyor examine the drain plugs of the Main Boilers? *yes* and of the Donkey Boilers?

Surveyor examine all the mountings of the Main Boilers? *yes* and of the Donkey Boilers?

Is 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?

Is shaft now been changed? *no* If so, state reasons
Is 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?

State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft
Is electric light and/or power fitted? *yes*

Surveyor examine the generators, motors, switchgear cables and fuses?
Insulation of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? *yes*

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

propeller, propeller shaft, stern bush, sea connections and their
fastenings examined.

cylinders, pistons, slide valves with savings covers and rods,
intake and thrust shafting, condenser, all pumps and the pipes,
valves and strainers of the pumping arrangement examined.

main steam pipe taken to shop, tested with water pressure and
repaired. Steam pipe refitted.

Boiler examined in- and externally with safety valves and mountings.

Observations, Opinion, and Recommendation:-- The machinery of this vessel is in
opinion eligible to be reclassified in the Register Book with notation

+ Lmc 8.42 and notation of "Tail shaft seen 7.42", subject to the
piston rod be renewed before the end of July, 1943.

FRI. 30 OCT 1942

+ Lmc 8.42 Subject

CERTIFICATE WRITTEN

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Gothenburg.

13484 17th August 1942.

Steel Trawler "VIROS", 190 tons gross, of Gothenburg.

and its safety valves adjusted under steam as above.
The electric light installation examined and tested as per
Rule. Please see 1st Entry report on same now attached.

Repairs effected due to wear and tear.

The LP cylinder cover renewed.

The HP piston rod skimmed in lathe.

The thrust shaft skimmed in lathe in way of collars, and the
white metal on ahead sides of the thrust house shoes renewed.

The alignment of the crank shaft readjusted.

White metal in upper half of the LP crank pin bracket renewed.

All condenser tubes cleaned, condenser examined.

Tubes refitted.

10 condenser tubes and 50 bushes renewed.

The donkey pump overhauled.

A few lengths of kilge suction pipes renewed.

Boilers.

1 ordinary tube renewed.

Leaky seams between starboard furnace and front end plate
made tight by means of electric welding.

The funnel renewed.

Repairs recommended.

Upon examination it was noted that the HP piston rod
on a previous occasion had been repaired by a steel
pipe shrunk on. It was stated that this repair was effected
about 12 years ago. The piston examined and found
efficient in the meantime.

The Owners proposal to have the HP piston rod renewed
within 12 months time merits in my opinion the approval
of the Committee.

Recommending.
Superintendent Surveyor

throughout repairs
effected.

HP piston rod refitted
with standard tube with
newer recommended a
new rod before end
of 1943.

17.4.42 Cl.
Subject to recommendation

As parties are before

It is concluded to repair

Porter are from other

was a brand new

4th Class was X

with surveyor

11.2.42 Port

Surveyor

company

24/4/42

17 SEP 1942

13485

15th Aug 42. 17th Aug 42. Gothenburg
13459. Steam Trawler "VIROS", 190 tons gross, of Gothenburg.

South Shields. By agent Smith's Dock Co. Ltd. 1904/11

Agent L.B. Thacker. Port of Call Gothenburg 193/42.

Electrical Installation of "VIROS" Motor House 193/42.

Is now fitted for carrying Petroleum in bulk. Is used by the firm with 1000 lbs. of oil.

Does this have a certified approval? No. System of Start button. Two wire. 11/5

Heating? Yes. There is alternating current lighting. Direct power. Is distribution system? Yes.

Can the governing gear be tested and found efficient when the whole load is suddenly thrown on the engine? Yes.

Any special gear for this? Yes. Generators, are they compound wound? No. Are they self-excited? Yes.

Is not compound wound state balance between generators? Yes. and from switchboard? Yes.

Arranged to run in parallel? Yes. Are there field regulators provided? Yes. Is the frequency regulating mechanism? Yes.

Have machines over 100 lbs been inspected by the Surveyor? Yes. and the results noted as per rule? Yes.

Is the machinery under 100 lbs been inspected? No. and the results noted as per rule? Yes.

Is the position of the generator? On starboard side in engine room. Yes.

Is the ventilation in way of generator satisfactory? Yes. Is the ventilation in way of engine? Yes.

Are the generators adequately protected? Yes. Are the engines adequately protected? Yes.

Is the machinery adequately protected? Yes. Are the engines adequately protected? Yes.

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See minute on Lot 13484

Each lamp fitted



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Navigation Lamps, are they separately secured *Yes* controlled by separate double-throw switches *Yes*... and fuses *Yes*... Are the switches and fuses in a position accessible only to the officer on watch *Yes*... is an automatic indicator fitted *Yes*... Secondary Batteries are they constructed and fitted as per Rule. *✓*... are they adequately ventilated *Yes*... Fittings, are all fittings on weather decks, in storerooms and engine rooms and wherever exposed to drip or condensed moisture, weatherproof *Yes*... Are things installed where readily combustible materials or inflammable or explosive dust or gases are likely to be present *No*... if so, how are they protected

1	1.6	115	14	1850	Steam engine	-	-
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13485

17 SEP 1942

The electric installation of this vessel has been examined, tested and found satisfactory.

1.6

K 60: 17/8 42

Gr. Branden

MAIN GENERATOR
EQUIVALENT

1.6 1 4 14 15 4

with West wind, but was
unaffected.

EMERGENCY GENERATOR
ROTARY TRANSFORMER MOTOR
GENERATOR

MAIN DISTRIBUTION PANELS

FIX. SWITCHBOARDS AND SECTION BOARDS

for navigation lights
in Captain's accommodation

1 1.5 1.36 6.5 20 18

Water tank used, but was
empty.

LIGHTING AND HEATING, ETC., CABLES

WIRELESS	NAVIGATION LIGHTS	LIGHTING AND HEATING	ENGINE & Locker space	illumination of deck lights
1	1.5	223	6.5	30
1	1.5	0.7	6.5	14
1	1.5	0.7	6.5	10
1	1.5	1.4	6.5	8
1	1.5	1.6	6.5	7

Water tank used, but was
empty.

ALL IMPORTANT MOTORS TO BE
EXTRACTED

MOTOR CABLES

Noted
26/10/42

